2024

INTERNATIONAL FEDERATION OF MODEL AUTOMOBILE RACING

IFMAR

a.i.s.b.l.

WORLDS

1/10th ISTC Asphalt World Championships

November 5-10, 2024

FINISHLINE

Hosted by

TRACK TIME HOBBIES

RC Raceway

STAGE 2 REPORT

ROAR

www.roarracing.com

Event Sponsors

2024 IFMAR WORLDS

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2024 IFMAR WORLDS

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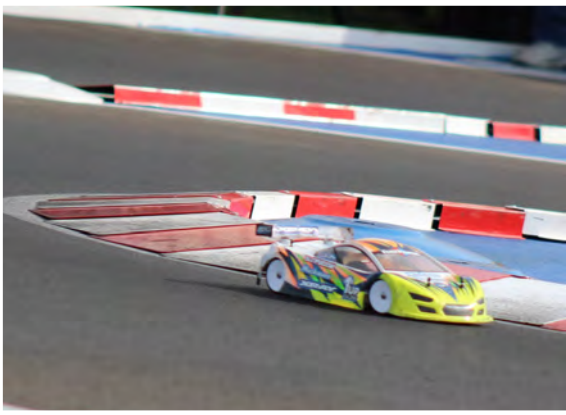
FINISHLINE RC RACEWAY

Constructed in December, 2022, Finishline RC Raceway Bakersfield is a joint-venture between Finishline Signs and Track Time Hobbies. We are an asphalt raceway designed to host 1/10th scale electric and nitro on-road R/C racing located on the north side of Bakersfield, California. We are honored to be chosen as the location of the 2024 ISTC World Championship. The facility is owned by David Mayhew and organized/operated by Ryan Doyel, both with 30+ years of experience as R/C racers and previous track owners. In our first year of operation, we hosted a national-scale race event with over 200 entries.

TRACK ADDRESS
34790 Lencioni Ave,
Bakersfield, CA 93308

WEB
https://www.2024istcworlds.com

SOCIAL
Details and updates available on Finishline RC Raceway Facebook





EVENT INFO

2024 IFMAR WORLDS

STAGE 2 REPORT

EVENT STAFF

Race Directors	Clive Silva
Tech Official	Kal Southworth
Asst. Tech Official	David Goss
Announcer	Notch Johnson
Time Keeper	Len Carson
Tyre Impound Manager	Ryan Doyel
IFMAR Referee	Reece Schaefer
ROAR Referee	TBD
BLOC Referee	Tim Caporal
Track Referee	TBD

CONTACT
Ryan Doyel
34790 Lencioni Ave.
Bakersfield, CA 93308
+1-661-800-8475
tracktime.hobby@gmail.com

RACE SCHEDULE (CONTINUED ON PAGE 4)

Schedule subject to change based on entries

DAY 1 TUESDAY, NOVEMBER 5

Driver Registrations 9am - 6pm
Car, Motor And Tyres Marking 9am - 6pm
Track Closed (No Practice Allowed)

DAY 2 WEDNESDAY, NOVEMBER 6

Team Managers Meeting 7am
Controlled Practice 8am - 6pm
Car Marking And Drivers Registration 8am - 6pm
Opening Ceremony 6:30pm

DAY 3 THURSDAY, NOVEMBER 7

Team Managers Meeting 7am
Free Morning Controlled Practice 8am - 9am
Controlled Timed Practice 9:30am - 5pm
Qualifaction Round 1 5:15pm - 7:30pm

Modified & Spec 17.5 Classes



Spec Sauce: Mighty Gripper Yellow V3



Tyre Warmers will be allowed in a controlled manner during the event.

Racers will be able to purchase up to 20 sets of control tyres on Day 1

Up to 12 sets of tyres are to be marked for use during controlled practice, qualifying and main event

Only controlled tyre sauce and cleaner is allowed to be used. No personal sauce or cleaner is to be brought to the event - no exceptions



EVENT INFO

STAGE 2 REPORT

RACE SCHEDULE (CONTINUED FROM PAGE 3)

DAY 4 FRIDAY, NOVEMBER 8

Team Managers Meeting 7am
Free Morning Controlled Practice 8am - 9am
Qualifaction Rounds 2 - 5 9:30am - 5:30pm

DAY 5 SATURDAY, NOVEMBER 9

Team Managers Meeting 7am
Free Morning Controlled Practice 8am - 9am
Qualifaction Round 6 9:20am - 11:20am
Finals Rounds 1 - 3 12:30pm - 6:40pm
Prize Giving And Closing Ceremony 7pm

SUNDAY, NOVEMBER 10 – SPARE DAY





THE TRACK

2024 IFMAR WORLDS

STAGE 2 REPORT



FINISHLINE Hosted by TRACK TIME HOBBIES RC Raceway

TRACK SPECS

- 132' x 60' (40.2m x 18.2m) paved race course
- Changeable Layout: most layouts 11-12.5 second lap times for modified touring car
- 11'-16' wide lanes
- Custom built curbing with variety of corner radiuses
- 36' long x 5' tall shaded driver stand
- Wheelchair accessible ramp to drivers stand
- Air compressor
- Mylaps RC4 transponders only
- On-site hobby shop



PIT AREA

- 50 Indoor, Air Conditioned Pit spaces available
- 100 Outdoor, covered pit spaces available
- 120v A/C power available at all pit tables



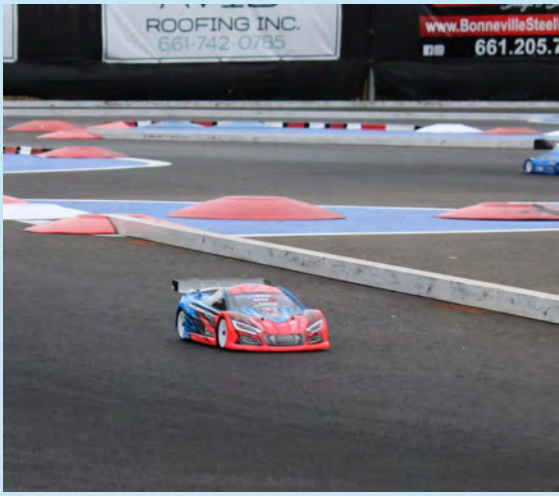
THE TRACK

2024 IFMAR WORLDS

STAGE 2 REPORT











AREA MAP & TRAVEL

2024 IFMAR WORLDS

STAGE 2 REPORT



Rental Car strongly recommended for all transportation.

BFL Meadows Field Airport
3 miles from track
5 minute drive

BUR Bob Hope Airport (Burbank)
105 miles from track
1hr45 minute drive

LAX Los Angeles Int'l Airport
120 miles from track
2+ hour drive (plus traffic)

1. Disneyland - Anaheim, CA
143 mi from track
2+ hour drive (plus traffic)
2. Six Flags Magic Mountain
83 mi from track
1 hour drive
3. Crystal Palace Museum
6 mi from track
10 minute drive
4. Bakersfield Speedway
6 mi from track
10 minute drive

ACCOMODATIONS

- Search Airbnb in Bakersfield, CA
- Holiday Inn Express & Suites Bakersfield Airport, approx. $140 per night. 1mi from track
- La Quinta Inn & Suites by Wyndham Bakersfield North, approx. $120 per night. 2mi from track
- Hampton Inn & Suites Bakersfield North-Airport, approx. $120 per night. 2 mi from track
- WoodSpring Suites Bakersfield Airport, approx. $110 per night. 2mi from track
- Fairfield Inn & Suites by Marriott Bakersfield North/ Airport, approx. 2mi from track
- RV campground, approximately $55 per night. 20 minute drive south of track

Group rates will be included in Stage 2 report. Hotels subject to added taxes, about $75 for 5-night stay.

Approved ISTC Bodies



STAGE 2 REPORT

Approved ISTC Bodies for 2024 Worlds in Bakersfield, California

Official List Here

INTERNATIONAL FEDERATION OF MODEL AUTO RACING

Touring Car bodies listed below are approved for use in the 2024 IFMAR Worlds in Bakersfield, California

2024 IFMAR PRODUCTS LIST – ISTC Touring Car Bodies (190MM) – V2 – 06.08.2024

Bodies on this list have been inspected and approved by ROAR and/or EFRA

Body Name	Part Number	Approved Bloc:	Manufacturer	IFMAR Approval Date:
JULIA	*#024-008*	ROAR	Awesomatix USA/Mon-Tech	14.07.2024
HYPER-HR	*BDTC-190HYP (EFRA4073 molded)*	ROAR / EFRA	Bittydesign	14.07.2024
JP8HR	*BDTC-190JP8HR*	EFRA	Bittydesign	14.07.2024
EPTRON	*#BDTC-190ETR*	EFRA	Bittydesign	14.07.2024
S100	*#60223*	EFRA	Blitz/Titan	14.07.2024
TCN	*#60230*	EFRA	Blitz/Titan	14.07.2024
CLA	*#60231*	EFRA	Blitz/Titan	14.07.2024
A2R-A-One Racer	*#JC0443(S or L)*	ROAR	J Concepts	14.07.2024
GHIBLI	*#LB10GHL*	ROAR / EFRA	Lens Bodies	14.07.2024
GHIBLI 2.0	*#LB10GHL2.0*	ROAR / EFRA	Lens Bodies	14.07.2024
EVO2	*#MB-022-006*	ROAR / EFRA	Mon-Tech Racing	14.07.2024
ZERO	*#021-0111*	ROAR / EFRA	Mon-Tech Racing	14.07.2024
MONTECARLO	*#019-013*	EFRA	Mon-Tech Racing	14.07.2024
YSOT	*#019-018*	EFRA	Mon-Tech Racing	14.07.2024
IMOLA	*#021-001*	EFRA	Mon-Tech Racing	14.07.2024
ZERO 2	*#023/004*	EFRA	Mon-Tech Racing	14.07.2024
P63	*PRM 1580*	ROAR / EFRA	Protoform	14.07.2024
D9	*#1564*	EFRA	Protoform	14.07.2024
TURISMO	*#1570*	EFRA	Protoform	14.07.2024
PREOPARD	*#ZR-002*	EFRA	RC Kleinkram	14.07.2024
HELLCAT	*#ZR-006*	EFRA	RC Kleinkram	14.07.2024
BAYBEE	*#ZR-009*	EFRA	RC Kleinkram	14.07.2024
ANTI	*#ZR-0014*	EFRA	RC Kleinkram	14.07.2024
SRC522	*SRC522*	EFRA	SprintRC	14.07.2024
RAPIDE	*#02024-14*	EFRA	WRC Racing	14.07.2024
SPECIALE	*#MTB0415*	ROAR	XTREME	14.07.2024
TWISTER	*#MTB0413*	ROAR / EFRA	XTREME	14.07.2024
REDHAWK	*#MTB0424-UL*	ROAR / EFRA	XTREME	14.07.2024
TYPHOON	*#MTB0410*	EFRA	XTREME	14.07.2024
CHAPEAU	*#MTB0415*	EFRA	XTREME	14.07.2024
BRUTALE	*#MTB0418*	EFRA	XTREME	14.07.2024
MACH 1	*#MTB0421*	EFRA	XTREME	14.07.2024
DOGBOLLOX	*#ZR-0005*	ROAR / EFRA	Zoo Racing	14.07.2024
WOLVERINE MAX	*#ZR-0015*	ROAR / EFRA	Zoo Racing	14.07.2024
GOAT	*#3ZR-0016*	ROAR	Zoo Racing	14.07.2024

Approved Modified Motors

STAGE 2 REPORT

INTERNATIONAL FEDERATION OF MODEL AUTO RACING

BRUSHLESS MODIFIED MOTORS 2024 v1 Official List Here

INTERNATIONAL FEDERATION OF MODEL AUTO RACING

Motors shown on this list are additional to those detailed on the original (word only) list dated 12th. July 2007.
Whilst sample Motors submitted have been found to conform with IFMAR rules for Modified Brushless Motors, it is the responsibility of ALL competitors to ensure that the versions they use also comply with all IFMAR rules and requirements.
NOTE: Only Rotors listed (below) can be used at IFMAR WC events. They may differ from Rotors listed by other organisations.

DISCLAIMER: "IFMAR shall not be liable for special, indirect or consequential damages, loss of profits, production or commercial loss in any way connected with the approved products on this list. As IFMAR has no control over use, set-up, final assembly, modification or misuse, no liability shall be assumed nor accepted for any resulting damage or injury. By the act of use, set-up or assembly the user accepts all resulting liability".

IFMAR PRODUCTS LIST -- BRUSHLESS MODIFIED MOTORS. Issued: 19 July 2024.

NOTE: All Rotors (including Option Rotors) used in Motors added from 2021 onwards, MUST have the Rotor unique Part # on the external part of the shaft.

NOTES: Motors approved by IFMAR must comply with IFMAR Motor rules. The following to aid Tech. Officers:-
Rule 5 details the years when the continually changing requirement for stator access was implemented. From 2015: Rule 6.4 (e). Rotors must be identified with manufacturers name/logo and Part Number and from 2021 Rotors must have the 'listed' Part Number etched/stamped on the external area of the rotor shaft. From 2022: Rule 6.3 - No solid glue or filler can be added to the wires of the final winding assembly.
Motors from previous years without these features retain approval.

Manufacturer Type/Range	Illustration only		Notes
2024 IFMAR PRODUCTS LIST -- BRUSHLESS MODIFIED MOTORS. Issued: 19 July 2024.			
Muchmore Fleta ZX V3 All winds. (Does not include 6.5T MR-V3ZX065R)			Sensored system. Stator open, Caps remove. Adjustable timing 0/+50 deg. All screws magnetic, Al. retaining housing, steel shielded magnetic bearings. MUST have slots in both End-Caps for stator measuring. Rotor with: Muchmore, Part # on shaft:- 3.5T-5.0T MR-FZRST, 5.5T-9.5T MR-FZR01. Either rotor allowed in all winds. Option rotor: MR-FZRSTTI
United Sino Enterprises ORCA Modtreme3 All ½ Turn winds.			Sensored system. Stator bonded, but has access holes. Wind printed on stator. Adj. timing 5/60. All screws magnetic, Al. retaining housing, steel shielded magnetic bearings. Rotor with: ORCA & Part # RT18M121245 on shaft. Option rotors: RT23OM12335, RT20MM12324 on shaft.
United Sino Enterprises ORCA Modtreme3 All 'zero' Turn winds.			

Approved Modified Motors

STAGE 2 REPORT

2023 IFMAR PRODUCTS LIST -- BRUSHLESS MOTORS: Issued: 14 July 2023.

Hoomark Zombie EVO II All winds			Sensored system. Stator open, Caps remove. Adjustable timing 0/+60 deg. Body screws non-magnetic, timing screws magnetic, Al. retaining housing, steel shielded magnetic bearings. Rotor with: Zombie on magnet. Rotor with: Name & Part # M-TZ-50121 on shaft. Option rotors:- M-TZ-50125, M-TZ-50123, M-TZ-725125
Ruddog RP542 All winds			Sensored system. 4 side screws retain End-Cap. Timing insert with Ruddog. Adjustable timing 0/+60. Wind & RP542 on stator visible. 3mm colector ring. All screws magnetic, Al. sensor housing, magnetic steel shielded bearings. Stator bonded. Rotor with: Name & Part #:- RP-0434 on shaft.
Team Powers Actinium V5.0			Sensored system. Black Al. one piece Can. 4 full length slots. Team Powers on End-Cap. Wind on stator. Adjustable timing 0-60. All 6 c/sk screws magnetic, Al. sensor housing, steel shielded bearings. Rotor with: Name & Part # TP123G-S35 on shaft. Option rotor: TP121G-S2

2022 IFMAR PRODUCTS LIST -- BRUSHLESS MOTORS: Issued: 01 June 2022.

No new Motors added to the Homologation List for 2022.
Only Optional Rotors added to a 2019 Homologated Motor.

2020 IFMAR PRODUCTS LIST -- BRUSHLESS MOTORS: Issued: 03 April 2020.

ASSOCIATED REEDY Sonic. M4				M4 - Winds 3.5T & 4.0T:- Laminates 0.35mm. Rotor in Sample :- # 27450 12.0 x 5mm. --- M4 - Winds 4.5T to 9.5T:- Laminates 0.30mm. Rotor in sample:- #27448 12.5 x 5mm. --- Optional rotors all winds :- Either of above plus:- # 27447 12.5 x 7.2mm. # 27449 13.0 x 5.0mm. # 27460 12.3 x 5.0mm.
ASSOCIATED REEDY Sonic. M4 6.5T - 1S Pt. # 27443 Twin lines around wind #				M4 - Wind 6.5T 27443:- Laminates 0.30mm. Rotor in Sample :- # 27460 12.3 x 5mm. Optional rotors :- # 27447 12.5 x 7.2mm. # 27448 12.5 x 5.0mm. # 27449 13.0 x 5.0mm. # 27450 12.0 x 5.0mm.

Approved Modified Motors

STAGE 2 REPORT

2020 IFMAR PRODUCTS LIST -- BRUSHLESS MOTORS: Issued: 03 April 2020.

FREEMAX TECHNOLOGY Arrowmax Dash R-Tune V3				Rotor in Samples :- DA-730010. 12.3 x 5.0 mm Optional :- DA-730009. 12.15 x 5.0 mm
REDS RACING VX3				Rotor in Samples :- MSTE 0019. 12.5 x 5.0 mm Optional :- None submitted
SURPASS HOBBY ROCKET-RC				Rotor in Samples :- C52123. 12.3 x 5.0 mm Optional :- C53125. 12.5 x 5.0 mm
TEKIN Redline G4				Rotor in Samples :- TT 2777. 12.4 x 5.2 mm Optional :- None submitted
YOKOMO Racing Performer M4 Series				Rotor in samples:- RP-056 12.5 x 5mm Options:- RP-057 12.5 x 7.2 mm RP-058 12.3 x 5mm RP-059 12.3 x 7.2mm RP-060 12.2 x 5mm RP-061 12.2 x 7.2mm RP-062 13.0 x 5mm RP-063 13.0 x 7.2mm RP-064 12.0 x 5mm RP-065 12.0 x 7.2mm

Approved Modified Motors



STAGE 2 REPORT

2019 IFMAR PRODUCTS LIST -- BRUSHLESS MOTORS: Issued: 09 Sept. 2019.

FREEMAX TECHNOLOGY Arrowmax Dash R-Tune V2				Rotor in samples:- DA730010 Black Ring Optionals:- None submitted

2019 IFMAR PRODUCTS LIST -- BRUSHLESS MOTORS: Issued: 30 April 2019.

MACLAN MRR V2m				Rotor in samples:- MCL4174 Purple Ring Optionals:- MCL4187 Black Ring
MUCHMORE Fleta ZX V2				Rotor in samples:- MR-FZR01 Al. s/c Ring Optionals:- MR-FZR03 Gold Ring MR-FZR07 Dk. Grey Ring
RC CONCEPT ECR 10				Rotor in samples:- 50125 Black Ring Optionals:- None submitted
UNITED SINO ENTERPRISES ORCA Modtreme				Rotor in samples:- RT18M121245. Shaft M121. Optional rotors:- Submitted 2022 ORR323M3. Shaft M3. RT20M123245. Shaft M123. RT20MM12324. Shaft MM123.

Approved Modified Motors



STAGE 2 REPORT

2018 IFMAR PRODUCTS LIST -- BRUSHLESS MOTORS: Issued: 01 May 2018.

TRINITY Monster Horsepower				Rotor in samples:- TEP1153 Green Ring Optionals:- TEP1151 Blue Ring TEP1152 Red Ring TEP1154 Black Ring
3.5T - 5.0T Open End-Caps HOBBYWING Xerun V10 G3				Timing Adj.: 20-50 deg. Rotor in samples:- 3.5T :- Shaft Code: 30820019 5-12.1-A 4.5T & 5.0T :- 30820017 5-12.3-B 5.5T - 8.5T :- 30820020 5-12.5-A Optionals:- Any above, plus 30820401 5-12.5-T-B 30820402 5-12.3-T-B 30820418 1-BESB
5.5T - 8.5T Closed End-Caps				
ARROWMAX DASH R-Tune				Rotor in Samples :- 4.5T: Shaft Code: DA730001 RL125 Other Winds: DA730002. RS125 Optionals :- DA730003 RSS125 DA730004 RSS123 DA730005 RS121 DA730006 RS123 DA730007 RL121

Approved Modified Motors

STAGE 2 REPORT

2017 IFMAR PRODUCTS LIST -- BRUSHLESS MOTORS: Issued: 25 May 2017

PRT Elec. PRT AIRs Pro.				Rotor in Samples :- PRT 125HT. 12.5 x 5mm Optional :- PRT 12HT. 12.0 x 5mm
YOKOMO Racing Performer M3 Series				Rotor in samples:- RP-056 12.5 x 5mm Options:- RP-057 12.5 x 7.2 mm RP-058 12.3 x 5mm RP-059 12.3 x 7.2mm RP-060 12.2 x 5mm RP-061 12.2 x 7.2mm RP-062 13.0 x 5mm RP-063 13.0 x 7.2mm RP-064 12.0 x 5mm RP-065 12.0 x 7.2mm
MACLAN MRR				Rotor in Samples :- MCL 4077. 12.5 x 5mm Optional :- MCL 4078. 12.5 x 5mm MCL 4079. 13.0 x 5mm MCL 4075 12.5 x 7.2mm MCL 4076 12.5 x 7.2mm MCL 4093 12.5 x 7.2mm
LRP XTEC X22.				Rotor in samples:- 520502 12.5 x 5 mm Optional:- 520503 12.1 x 5mm 520504 12.3 x 5mm 520505 12.7 x 5mm 520506 13.0 x 5mm
LRP XTEC X22.				Optional End-Plate. Black - # 520500 Blue - # 520501
HOBBYWING Xerun V10 G2				14.11.16. Optional End-Cap Ass. Timing +30/+60. Part # 30820054

Approved Modified Motors



STAGE 2 REPORT

2016 IFMAR PRODUCTS LIST -- BRUSHLESS MOTORS: Issued: 05 May 2016

TIANCO ORCA RT				Rotor in Samples :- ORR323M3. 12.3 x 5 mm Options -update 30.12.16 ORR423M0. 12.0 x 5 mm ORR321M1. 12.0 x 5 mm ORR233ML. 12.3 x 5mm ORR238ML. 12.3 x 5mm ORR253ML. 12.5 x 5mm ORR258ML. 12.5 x 5mm
REEDY Sonic. M3				Two stator designs. Rotor in Samples :- # 274 12.3 x 5mm. # 275 12.5 x 5mm. Optional rotors :- # 276 13.0 x 5mm. Added 2017:- # 271 12.0 x 7.2mm. # 272 12.2 x 7.2mm. # 273 12.5 x 7.2mm. # 286 12.3 x 7.2mm. # 296 12.0 x 5mm.
ORION Vortex VST2 Pro. V2 LW (2016)				Rotor in Samples :- ORI41470. 12.1 x 4.7mm Optional :- ORI41472. 12.5 x 4.7mm ORI41473. 12.5 x 4.7mm
ORION Vortex VST2 Pro. V2 LW ULTRA (2016)				Rotor in Samples :- ORI41547. 12.1 x 4.7mm Optional :- ORI41548. 12.1 x 4.7mm

Approved Modified Motors



STAGE 2 REPORT

2016 IFMAR PRODUCTS LIST -- BRUSHLESS MOTORS: Issued: 05 May 2016				
ORION Vortex VST2 Pro. V2 XLW (2016)				Rotor in Samples :- ORI41470. 12.1 x 4.7mm Optional :- ORI41472. 12.5 x 4.7mm ORI41473. 12.5 x 4.7mm
ORION Vortex VST2 Pro. V2 XLW ULTRA (2016)				Rotor in Samples :- ORI41547. 12.1 x 4.7mm Optional :- ORI41548. 12.1 x 4.7m
TEKIN Redline Gen 3				Rotor in Samples :- Tek. 2723. 13.0 x 7.2 mm Tek. 2721. 12.5 x 7.2 mm Optional :- Tek. 2724 13.0 x 5 mm Tek. 2719 12.3 x 7.2 mm Tek. 2722 12.5 x 7.2 mm
HOBBYWING Xerun V10 G2				Rotor in Samples :- 30820002. 12.3 x 5 mm Optional :- 30820006. 12.5 x 5 mm 30820008. 13.0 x 5 mm 30820010. 12.3 x 5 mm 30820012. 12.1 x 5 mm 30820013. 12.5 x 5 mm

Approved Modified Motors

STAGE 2 REPORT

2015 IFMAR PRODUCTS LIST -- BRUSHLESS MOTORS: Issued: 25 Aug. 2015

YOKOMO Race Performer M2				Rotor in Samples :- RP-021. 12.5 x 5 mm Optional :- RP-022. 12.5 x 7.2 mm RP-023. 12.3 x 5 mm RP-024. 12.3 x 7.2 mm RP-025. 14.0 x 5 mm RP-026. 13.5 x 5 mm RP-027. 12.0 X 7.2 mm
SUNRAY TECHNOLOGY Trion TricoRoll MM				Rotor in Samples :- TB 1443. 12.5 x 5 mm Optional :- TB 1444. 12.75 x 5 mm MR-FZR06. 12.80 x 5 mm
SCORPION POWER RS-3420				Rotor in Samples :- 975. 12.5 x 4 mm Optional :- 976. 12.3 x 4 mm 977. 12.0 x 4 mm
VAMPIRE AB+ V2				20.07.14: Updated all aluminium timing & end-plate Ass. fitted.
MUCMORE FLETA ZX. Optional tuning part.				05.08.14. Aluminium timing-plate MR-FZAT fitted.

Approved Modified Motors



STAGE 2 REPORT

2014 IFMAR PRODUCTS LIST -- BRUSHLESS MOTORS: Issued: 20 June 2014

TEAM POWERS Actinium				Rotor in Samples :- 12.5 x 5 mm.
TRINITY D3.5				Rotor in Samples :- 12.5 x 5 mm.
SKYRC Ares Pro.				Rotor in Samples :- 12.5 x 5 mm.
LIPOTECH XR Vario				Rotor in Samples :- 12.5 x 5 mm. 12.5 x 7.2 mm.
GFORCE Gforce Super Sonic				Rotor in Samples :- 12.5 x 5 mm.
ORION VST2 Pro. (2014)				Approved 2013, revised stator option. Rotor in Samples :- 12.1 x 4.76 mm. Optional :- 12.4 x 5 mm. 12.9 x 5 mm.
ORION VST2 Pro. Light-Weight (2014)				LW version has two stator options.

Approved Modified Motors



STAGE 2 REPORT

2014 IFMAR PRODUCTS LIST -- BRUSHLESS MOTORS: Issued: 20 June 2014

TIANCO ORCA RX3				Rotor in Samples :- 12.5 x 5 mm. 12.4 X 5 mm.
KING GOLDEN Speed Passion 4.0				Rotor in Samples :- 12.5 x 5 mm.
Optional Part Colours				
SPEED ENERGY SE Race Spec.				Rotor in Samples :- 12.5 x 5 mm. Optional :- 12.24 x 5 mm.
HACKER Skalar 10				Rotor in Samples :- 12.5 x 5 mm. Optional :- 12.24 x 5 mm. 13.0 x 5 mm.
HOBBYWING Xerun V10				Rotor in Samples :- 12.5 x 5 mm.
TIANCO ORCA TX Optional Tuning Parts.				Optional End-Plate. # OME111TX. 20.07.14 New sensor Ass. CAS-0220TX-30 fitted.

Approved Modified Motors

STAGE 2 REPORT

2013 IFMAR PRODUCTS LIST -- BRUSHLESS MOTORS: Issued: 17 May 2013				
REEDY Sonic. MACH 2				Rotor in Samples :- # 958 12.50 mm. Optional rotors :- # 957 12.20 mm. # 987 13.00 mm.
TRICORE SAVOX X.1				Approved in 2011. Resubmitted with stator access. Optional rotors:- A35, A36, A37, A38.
VAMPIRE AB+ V2				Rotor in sample :- 12.50 mm dia. Gold finish. 21.10.13: Retaining Ring & Timing Plate modified.
TIANCO ORCA TX				Rotor in sample:- 125M-H 12.5 mm. Optional :- 125M-SH

Approved Modified Motors

STAGE 2 REPORT

2013 IFMAR PRODUCTS LIST -- BRUSHLESS MOTORS: Issued: 17 May 2013				
TEKIN Redline Gen2				Rotor in Samples :- 13 x 5.2 mm. 13 x 7.2 mm.
ORION VST2 Pro.				Rotor in Samples :- 12.1 x 4.76 mm. Optional :- 12.5 x 7.1 mm.
YOKOMO 'M' Series				Rotor in Samples :- 12.5 x 5 mm.
MUCMORE FLETA ZX				Rotor in Samples :- 12.5 x 5 mm.

Approved Modified Motors

STAGE 2 REPORT

2012 IFMAR PRODUCTS LIST -- BRUSHLESS MOTORS: Issued: 26 March 2012				
THUNDER POWER RC Z3R				Later version has: 6mm slots Optional Rotors :- AMR-Z3RM Purple AMRS-Z3RM Gold AHT-Z3RS Green AST-Z3RS Blue ASR-Z3RS Red Early version has: 4mm slots
				
LRP Vector X20.				Optional Rotors :- 50632 12 mm 50633 12.5 mm 50634 13 mm 50635 12.45 mm 50636 12 mm 50637 12.5 mm (kit) 50638 13 mm 50639 12.25 mm (Also Nosram versions,with alternative Part #'s)
NOSRAM Pure 2				

Approved Modified Motors

STAGE 2 REPORT

2012 IFMAR PRODUCTS LIST -- BRUSHLESS MOTORS: Issued: 26 March 2012

KING GOLDEN Speed passion 3.0 (Normal)				Optional Rotors :- RM 13801 Blue. RM 13802 Purple. RM 13802NA Purple RM 13803 Red (Kit) RM 13803NA Red RM 13804 Gold RM 13805 Green RM 13806 Orange NA = Silver Edition All above available with Stock shaft size using #RS
7.5T & 8.5T no Vent Holes				
KING GOLDEN Speed passion 3.0 1 CELL.				
KING GOLDEN Speed passion 3.0 MMM.				
REEDY Sonic.				Rotor in sample :- 12.50 mm dia.
TIANCO ORCA RX2				Optional Rotors :- Red 12.5 mm dia.. Gold 12.8 mm dia.
DUALSKY Track & Field Z5				Rotor in sample :- 12.50 mm dia.

Approved Modified Motors



STAGE 2 REPORT

2011 IFMAR PRODUCTS LIST -- BRUSHLESS MOTORS: Issued: 05 April 2011

TRICORE SAVOX Z1				Rotor in sample :- 12.30 mm. dia.
ORION Vortex Race (2010 Ver.)				Rotor in sample :- 12.50 mm. dia.
KING GOLDEN Speed Passion 3.0	 	 		Alternative Rotors:- RM13802 12.3mm dia. RM13802NA 12.3mm " RM13803 12.5mm " RM13803NA 12.5mm " RM13804 12.8mm " RM13805 12.8mm " RM13806 13.0mm " Motor can have stator ID of 14.8mm or 15.8mm

Approved 17.5 Motors



STAGE 2 REPORT

INTERNATIONAL FEDERATION OF MODEL AUTO RACING

BRUSHLESS 'Spec.' MOTORS 17.5T 2024 v1 Official List Here

INTERNATIONAL FEDERATION OF MODEL AUTO RACING

Whilst sample Motors submitted have been found to conform with IFMAR rules for 'Spec' Brushless Motors, it is the responsibility of ALL competitors to ensure that the versions they use also comply with all IFMAR rules and requirements.
NOTE: Only Rotors listed (below) can be used at IFMAR WC events. They may differ from Rotors listed by other organisations.

DISCLAIMER: "IFMAR shall not be liable for special, indirect or consequential damages, loss of profits, production or commercial loss in any way connected with the approved products on this list. As IFMAR has no control over use, set-up, final assembly, modification or misuse, no liability shall be assumed nor accepted for any resulting damage or injury. By the act of use, set-up or assembly the user accepts all resulting liability".

IFMAR PRODUCTS LIST -- BRUSHLESS 'Spec.' MOTORS 17.5T. Issued: 19 July 2024.

NOTE: All Rotors (including Option Rotors) used in Motors on this List, MUST have the Rotor unique Part # on the external part of the shaft.

NOTES: Motors approved by IFMAR must comply with all current IFMAR Motor Rules. The following to aid Tech. Officers:-
Rule 5 details the years when the continually changing requirement for stator access was implemented.
Rule 7.2 - Laminate chamfers/deburring allowed to the winding-leg of only the end laminates, which must retain original overall width.
Rule 7.3 - No solid glue or filler can be added to the wires of the final winding assembly.
From 2015: Rule 7.4 (e). Rotors must be identified with manufacturers name/logo and Part Number and from 2021 all Rotors must have the 'listed' Part Number etched/stamped on the external area of the rotor shaft.

Manufacturer Type/Range	Illustration only		Notes
2024 IFMAR PRODUCTS LIST -- BRUSHLESS 17.5T 'Spec.' MOTORS. Issued: 19 July 2024.			
Associated Electronics Reedy SP5 R Euro Part # 27488			Sensored system. Stator open, Caps remove. Adjustable timing 0/+50 deg. All screws magnetic, Al. retaining housing, steel shielded magnetic bearings. SP5 & wind on stator. No epoxy in winding. Rotor with: Reedy, Part # 27483 on shaft. Option rotor: 27484
Hobbywing Xerun V10 G4R Pt # 30401748 Standard version			Sensored system. Rotor with one Alu. Fan type bal. ring. Adjustable timing +20/+ 60 deg. Stator and wind visible. All screws magnetic, Al. retaining housing, steel shielded magnetic bearings. Rotor with: name & Part # 30820450 on shaft. Option rotor: 30820444.
LRP XTEC X22 Part # 520202			Sensored system. Black Al. End-Bell with XTEC. Adj. timing 0/60. Wind etched on stator, visable. Body screws non-magnetic, timing screws magnetic, steel shielded magnetic bearings. Rotor with: LRP & Part # 520522 on shaft. Option rotor: 520521.
Muchmore Fleta ZX V3 Type ER Part # MR-V3ZX175ERTM			Sensored system. Stator open, Caps remove. Adjustable timing 0/+50 deg. All screws magnetic, Al. retaining housing, steel shielded magnetic bearings. MUST have slots in both End-Caps for stator measuring. Rotor with: Muchmore, Part # MR-FZR19XTM on shaft. Option rotor: MR-FZR21X

Approved 17.5 Motors



STAGE 2 REPORT

Nosram XTEC N22 Part # 920202			Sensored system. Black Al. End-Cap with XTEC. Adj. timing 0/60. Wind etched on stator, visable. Body screws non-magnetic, timing screws magnetic, steel shielded magnetic bearings. Rotor with: Nosram & Part # 920522 on shaft. Option rotor: 920521.
R1 Brushless Motor Lab. V30 Part # 020182			Sensored system. Stator open, Caps remove. Adjustable timing 10/+60 deg. All screws non-magnetic, plastic retaining housing with Al. clamp ring. Steel shielded magnetic bearings. R1 & wind on stator. Stator end faces NO black paint on outer 1mm. Rotor with: R1, Part # W-125726 on shaft. Option rotor: 125755
REDS Racing VX3 Part # MTTE0037P			Sensored system. Red Al. timing plate. Adj. timing 0-50. End-Caps remove, cut-outs for measuring stator. Al. sensor housing & retaining plate, all screws magnetic, steel shielded magnetic bearings. Rotor with: name & Part # MSTE0041 on shaft.
Team Exalt Phoenix Light Weight Part # EXA02175			Sensored system. Black end-plate has Exalt & Phoenix printed. Wind on stator. Adjustable timing 0-60 deg. All screws magnetic, Al. retaining housing, steel shielded magnetic bearings. Rotor with: name & Part # EXAS2305 on shaft. Option rotor: EXAS2303.
Team Powers Actinium V5S Part # TPRBLM 175100 ACT-V5S			Sensored system. Stator open, Caps remove. Team Powers on End-Cap, wind on stator. Adjustable timing 0/+60 deg. All screws magnetic, Al. retaining housing, steel shielded magnetic bearings. Rotor with: name & Part # TP125G-R50 on shaft.
United Sino Enterprises ORCA Blitreme3 Part # MO24BT3U175 (EFRA version)			Sensored system. Stator bonded, but has access holes. Wind printed on stator. Adj. timing 5-60. All screws magnetic, steel shielded magnetic bearings. Small Ø steel location pin 5mm long bonded in stator groove. Rotor with: ORCA, Part # RT23HS12548 on shaft. Option rotor: RT18M125258 on shaft
United Sino Enterprises ORCA Blitreme3A Part # MO24BT3U175A (EFRA version)			Sensored system. Stator bonded, but has access holes. Wind printed on stator. Adj. timing 5-60. All screws magnetic, steel shielded magnetic bearings. Small Ø steel location pin 5mm long bonded in stator groove. Rotor with: ORCA, Part # RT23HS12548 on shaft. Option rotor: RT18M125258 on shaft

Approved Batteries v3.2 2S



STAGE 2 REPORT

APPROVED BATTERYLIST.2024 LITHIUM(LiPo/LiFe)v3.2 - *2S ONLY* [Official List Here]

INTERNATIONAL FEDERATION OF MODEL AUTO RACING

Batteries received by IFMARfor approval, from 2013. NOTE:Batteries shown on lists: 2010 - 2012 are also allowed. IFMARrules do not limit capacity or power output of batteries. Values below are Manufacturers data. -- Packs factory sealed (glue, weld etc). Battery packs must be able to be disconnected within the Car quickly without the use of tools. Direct soldering is not allowed. It is essential that batteries on this list are charged using a 2S LiPocompatible charger. It is advisable to restrict charge rates to 1C. It is strictly *NOTALLOWED*,tochargeLithium Batteries to give an output voltage exceeding :- *2SLiPo-8.40v.2SLiFe-7.40v.* Closed LiPo 'Sack' must be used when charging.

2024 IFMARPRODUCTSLIST–2S Stick and 2S Saddle Lithium Batteries. - 06.08.2024

BATTERIESON THIS HOMOLOGATION LIST HAVE BEENCERTIFIED FOR COMPLIANCE WITH UN38.3, TESTST1-T8.

Submitted By:	Label Details: Part Number	Illustration Only:	Manufacturer Supplied Data:	IFMAR Measured Specificaitons:	Approval Date:
BATTERIES BELOWTHIS LEVELARE APPROVED BY IFMAR FOR 2024 WORLD CHAMPIONSHIP EVENTS.					
2S LiPo STICK BATTERIES					
Associated Electronics	REEDY Zappers 8200mah - 7.6v #27379		5mm Bullets - 63wh	137.95mm x 47mm x 24.95mm - Weight 325g-335g	10.07.2024
EZ Power	EZ Power 4400mah - 7.6v EZP4400		5mm Bullets - 33.44wh	95.65mm x 46.70mm x 19.85mm Weight 160g-170g	10.07.2024
Fido	Fido 6300HV - 7.6V. Fi63130-2S2PHV		5mm Bullets - 47.88wh	96.4mm x 47mm x 25mm- Weight 220g-230g	10.07.2024
Fido	Fido 5000HV - 7.6V. Fi50135-2S1P		5mm Bullets - 38wh	96.10mm x 47mm x 20.65mm- Weight 175g-185g	10.07.2024
Fido	Fido 4500HV - 7.6V. Fi45130-2S1PHV		5mm Bullets - 34.2wh	96.10mm x 47mm x 20.65mm- Weight 155g-165g	10.07.2024
Fido	Fido 8200 - 7.4V. Fi82130-2S2P		5mm Bullets - 60.7wh	138.25mm x 46.75mm x 25mm - Weight 315g-325g	10.07.2024
Fido	Fido 5900 - 7.4V. Fi59130-2S1P		5mm Bullets - 43.7wh	139mm x 47mm x 19.90mm - Weight 235g-245g	10.07.2024
Fido	Fido 6500 - 7.4V. Fi65220-2S2P		5mm Bullets - 48.1wh	139mm x 46.90mm x 23.10mm - Weight 280g-290g	10.07.2024

Approved Batteries v3.2 2S



STAGE 2 REPORT

Fido	Fido 10000HV - 7.6V. Fi100130-2S2P		5mm Bullets - 76wh	138.5mm x 46.65mm x 25mm - Weight 305g-315g	10.07.2024
GENSACE	REDLINE5100 - GEA51002S14M5		5mm Bullets - 38.76wh	112.25mm X47mm X 19.25mm- Weight 185g-195g	10.07.2024
GENSACE	REDLINE6600 - GEA66002S14D5		5mm Bullets - 50.16wh	138.25mm X 46.35mm X20.10mm - Weight 240g-250g	10.07.2024
GENSACE	REDLINE6500 - GEA65002S14S5		5mm Bullets - 49.40wh	96mm X46.85mm X 25mm - Weight 225g-235g	10.07.2024
GENSACE	REDLINE5000 - GEA50002S14S5		5mm Bullets - 38wh	96.35mm X46.80mm X20.75mm - Weight 175g-185g	10.07.2024
GENSACE	REDLINE4400 - GEA44002S14S5		5mm Bullets - 33.44wh	96.5mm X47mm X 19mm - Weight 160g-170g	10.07.2024
GENSACE	REDLINE6100 - GEA61002S14D5		5mm Bullets - 46.36wh	138.95mm X 46.85mm X18.20mm - Weight 225g-235g	10.07.2024
GENSACE	REDLINE6500 - GEA65002S14D5		5mm Bullets - 49.4wh	139mm X47mm X 22.25mm - Weight 260g-270g	10.07.2024
GENSACE	REDLIEN8500 - GEA85002S14D5		5mm Bullets - 84.4wh	139mm X46.70mm X 25.1mm- Weight 305g-315g	10.07.2024
GENSACE	REDLINE6000 - GEA60002S14D5		5mm Bullets - 45.6wh	96.25mm X46.75mm X24.75mm - Weight 220g-230g	10.07.2024
GENSACE	REDLINE5300 - GEA53002S14D5		5mm Bullets - 40.28wh	96mm X46.80mm X 22.95mm- Weight 198g-208g	10.07.2024
GENSACE	REDLINE4200 - GEA42002S14D5		5mm Bullets - 31.92wh	96mm X47mm X 19mm - Weight 158g-168g	10.07.2024

Approved Batteries v3.2 2S



STAGE 2 REPORT

R1	R1 6500 - R1-030048		5mm Bullets-48.1wh	138.95mm X47.2mm X22.50mm-Weight 280g-290g	10.07.2024
R1	R1 5900 - R1-030037		5mm Bullets-44.64wh	138.65mm X 46.85mm X19.5mm - Weight 236g-246g	10.07.2024
R1	R1 8400 - R1-03009-S		5mm Bullets-64wh	138mm X47mm X 25mm - Weight 328g-338g	10.07.2024
R1	R1 7000 - R1-030051		5mm Bullets-53wh	138.75mm X 46.75mm X22.25mm. - Weight 282g-292g	10.07.2024
R1	R1 4800 - R1-030036		5mm Bullets-36.5wh	95.60mm X46.75mm X20mm - Weight 162g-172g	10.07.2024
Team EAM	EAM 130C GRAPH-X EAM42130-2		5mm Bullets-31.08wh	94.65mm x 46.95mm x 18.7mm - Weight 162g-172g	10.07.2024
Team EAM	EAM 130C GRAPH-X EAM84130-2		5mm Bullets-62.16wh	139mm x 47mm x 25mm- Weight 315g-325g	10.07.2024
Team EAM	EAM 140C GRAPH-XEAM63140-2		5mm Bullets-46.62wh	139mm x 47mm x 23.25mm - Weight 280g-290g	10.07.2024
Team EAM	EAM 160C GRAPH-X EAM50160-2		5mm Bullets-37wh	138.85mm x 46.75mm x 18.20mm - Weight 222g-232g	10.07.2024

Approved Batteries v3.2 2S

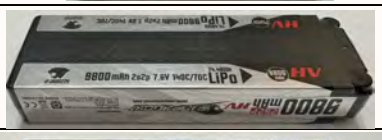
STAGE 2 REPORT

Team Exalt	EXALT X-RATED 135C EXA3203		5mm Bullets - 39.52wh	96.20mm x 47mm x 20.80mm - Weight 180g-190g	10.07.2024
Team Exalt	EXALT X-RATED 150C EXA3206		5mm Bullets - 45.88wh	139mm x 47mm x 22.40mm - Weight 281g-291g	10.07.2024
Team Exalt	EXALT X-RATED 135C EXA3207		5mm Bullets - 60.68wh	138.20mm x 46.85mm x 24.80mm - Weight 314g-324g	10.07.2024
Team Exalt	EXALT X-RATED 150C EXA3201		5mm Bullets - 32.56wh	96.55mm x 47.45mm x 25mm - Weight 211g-221g	10.07.2024
Team Exalt	EXALT X-RATED 135C EXA3202		5mm Bullets - 42.18wh	96.25mm x 47mm x 25mm - Weight 218g-228g	10.07.2024
PROTEK RC	Protek LiHV 130C PTK-5115-22		5mm Bullets - 47.9wh	138.25mm X 46.25mm X22.25mm - Weight 270g-280	10.07.2024
PROTEK RC	Protek LiHV 130C PTK-5128-22		5mm Bullets - 51.7wh	138.45mm X 46.65mm X22.15mm Weight 285g-295g	10.07.2024
PROTEK RC	Protek LiHV 130C PTK-5127-22		5mm Bullets - 56.2wh	137.85mm X 47.00mm X25.00mm Weight 300g-310g	10.07.2024

Approved Batteries v3.2 2S



STAGE 2 REPORT

TEKIN	TEKIN Titanium 160C TT1656		5mm Bullets - 45.88wh	139mm X46.75mm X 22.5mm Weight 285g-295g	10.07.2024
TEKIN	Tekin Titanium 140C TT1657		5mm Bullets - 43.66wh	139mm X47.00mm X 20.00mm Weight 240g-250g	10.07.2024
TEKIN	Tekin Titanium 140C TT1653		5mm Bullets - 41.44wh	96.25mm X47mm X 25mm Weight 220g-230g	10.07.2024
TEKIN	TEKIN Titanium 160C TT1652		5mm Bullets - 32.56wh	95.9mm X47mm X 25mm Weight 210g-220g	10.07.2024
SUNPADOW	Sunpadow 140C/70C JR0040H		5mm Bullets - 34.96wh	95.75mm X47.00mm X20.2mm. Weight 168g-178g	10.07.2024
SUNPADOW	Sunpadow 140C/70C JR0022H		5mm Bullets - 74.48wh	138.35mm X46.9mm X 25.00mm Weight 320g-330g	10.07.2024
LRP	LRP Graphene 135C 432277		5mm Bullets - 38.7wh	138mm x 46.4mm x 19.8mm Weight 240g-250g	13.07.2024
LRP	LRP Graphene 135C 431281		5mm Bullets - 46.3wh	138.3mm x 46.65mm x 22.75mm Weight 270g-280g	13.07.2024
LRP	LRP Graphene 135C 431279		5mm Bullets - 71.4wh	138.5mm x 46.9mm x 25mm Weight 325g-335g	13.07.2024
LRP	LRP Graphene 135C 431276		5mm Bullets - 56.2wh	138.4mm x 47.00mm x 25.1mm Weight 295g-305g	13.07.2024
LRP	LRP Graphene 120C 432282		5mm Bullets - 49.4wh	138.5mm x 46.8mm x 19.8mm Weight 240g-250g	13.07.2024

Approved Batteries v3.2 2S



STAGE 2 REPORT

LRP	LRP Graphene 120C 432282		5mm Bullets - 49.4wh	138.5mm x 46.8mm x 19.8mm Weight 240g-250g	13.07.2024
LRP	LRP Graphene 135C 431280		5mm Bullets - 61.5wh	138.25mm x 46.75mm x 25.00mm Weight 328g-338g	13.07.2024
LRP	LRP Graphene 135C 431272		5mm Bullets - 39.5wh	138.25mm x 46.65mm x 17.5mm Weight 228g-238g	13.07.2024
LRP	LRP Graphene 120C 431286		5mm Bullets - 34.9wh	96.35mm x 46.5mm x 22.25mm Weight 180g-190g	13.07.2024
NOSRAM	NOSRAM Graphene 120C 999660		5mm Bullets - 34.9wh	96.35mm x 46.4mm x 22.25mm Weight 180g-190g	13.07.2024
NOSRAM	NOSRAM Graphene 135C 999746		5mm Bullets - 38.7wh	138mm x 46.45mm x 20.00mm Weight 240g-245g	13.07.2024
NOSRAM	NOSRAM Graphene 135C 999656		5mm Bullets - 61.5wh	138.25mm x 47.00mm x 25.00mm Weight 325g-335g	13.07.2024
NOSRAM	NOSRAM Graphene 135C 999654		5mm Bullets - 71.4wh	138.5mm x 46.75mm x 25mm Weight 325g-335g	13.07.2024
NOSRAM	NOSRAM Graphene 135C 999655		5mm Bullets - 46.4wh	138.4mm x 46.75mm x 22.5mm Weight 265g-275g	13.07.2024
NOSRAM	NOSRAM Graphene 120C 999758		5mm Bullets - 49.4wh	138mm x 46.5mm x 19.8mm Weight 235g-245g	13.07.2024
NOSRAM	NOSRAM Graphene 135C 999652		5mm Bullets - 56.2wh	138.5mm x 46.8mm x 25mm Weight 300g-310g	13.07.2024

Approved Batteries v3.2 2S



STAGE 2 REPORT

CAYOTE	CAYOTE 145C CA702S145		5mm Bullets - 53.2wh	138mm x 46.75mm x 22.00mm Weight 265g-275g	13.07.2024
CAYOTE	CAYOTE 145C CA922S145		5mm Bullets - 69.92wh	138.35mm x 46.2mm x 25.00mm Weight 325g-335g	13.07.2024
CAYOTE	CAYOTE 145C CA532S145		5mm Bullets - 40.28wh	138.5mm x 46.5mm x 16.2mm Weight 205g-215g	13.07.2024
CAYOTE	CAYOTE 145C CA682S145		5mm Bullets - 51.68wh	138.35mm x 46.5mm x 20.00mm Weight 235g-245g	13.07.2024
CAYOTE	CAYOTE 145C CA632S145		5mm Bullets - 47.88wh	138.25mm x 46.25mm x 18.3mm Weight 225g-235g	13.07.2024
CAYOTE	CAYOTE 145C CA652S145		5mm Bullets - 49.4wh	95.5mm x 46.5mm x 24.85mm Weight 225g-235g	13.07.2024
CAYOTE	CAYOTE 145C CA552S145		5mm Bullets - 41.8wh	95.75mm x 46.75mm x 22.3mm Weight 205g-215g	13.07.2024
CAYOTE	CAYOTE 145C CA392S145		5mm Bullets - 29.64wh	95.65mm x 46.65mm x 15.85mm Weight 125g-135g	13.07.2024
CAYOTE	CAYOTE 145C CA502S145		5mm Bullets - 38.00wh	95.6mm x 46.7mm x 19.75mm Weight 165g-175g	13.07.2024
CAYOTE	CAYOTE 145C CA462S145		5mm Bullets - 34.96wh	96.0mm x 46.75mm x 18.5mm Weight 160g-170g	13.07.2024

Approved Batteries v3.2 2S



STAGE 2 REPORT

BATTERIES ON THIS HOMOLOGATION LIST HAVE BEEN CERTIFIED FOR COMPLIANCE WITH UN38.3, TESTS T1-T8.					
Submitted by:	Label Details, Part #	Illustration only	Manufacturer Supplied Data.	IFMAR measured Specification,	Approval Date
BATTERIES BELOW THIS LEVEL WERE PREVIOUSLY APPROVED BY IFMAR FOR 2024 WORLD CHAMPIONSHIP EVENTS.					
2S LiPo STICK BATTERIES					
Associated Electrics	Reedy Zappers SG5 # 27396		Reedy LiPo 2S 7.6v. 36.48 Wh. 90C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **158/172 g.**	11.03.23
Associated Electrics	Reedy Zappers SG5 # 27382		Reedy LiPo 2S 7.6v. 49.0 Wh. 90C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **216/234 g.**	11.03.23
Kiel Technology	Fyrrework ECP plus # F45200-2S2P		Kiel LiPo 2S 7.4v. 33.3 Wh. 200C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **206/224 g.**	11.03.23
Kiel Technology	Fyrrework ECP plus # F60130-2S2P		Kiel LiPo 2S 7.4v. 44.4 Wh. 130C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **213/231 g.**	11.03.23
Kiel Technology	Fyrrework ECP plus # F63130-2S2P HV		Kiel LiPo 2S 7.6v. 47.8 Wh. 130C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **210/228 g.**	11.03.23
Kiel Technology	Fyrrework ECP plus # F82130-2S2P		Kiel LiPo 2S 7.4v. 60.6 Wh. 130C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **306/332 g.**	11.03.23
Kiel Technology	Fyrrework ECP plus # F90130-2S2P HV		Kiel LiPo 2S 7.6v. 68.4 Wh. 130C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **305/331 g.**	11.03.23
LRP	LRP G4.1 LCG Stock Spec # 432287		LRP LiPo 2S 7.6v. 28.1 Wh. 135C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **149/161 g.**	11.03.23

Approved Batteries v3.2 2S



STAGE 2 REPORT

LRP	LRP G4.1 LCG Modified # 432273		LRP LiPo 2S 7.6v. 31.9 Wh. 120C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **154/166 g.**	11.03.23
LRP	LRP G4.1 HV Stock Spec. # 432285		LRP LiPo 2S 7.6v. 47.1 Wh. 135C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **216/234 g.**	11.03.23
Nosram	Nosram G4.1 HV Stock Spec. # 999743		Nosram LiPo 2S 7.6v. 28.1 Wh. 135C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **149/161 g.**	11.03.23
Nosram	Nosram G4.1 Modified # 999753		Nosram LiPo 2S 7.6v. 31.9 Wh. 120C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **154/166 g.**	11.03.23
Nosram	Nosram G4.1 HV Stock Spec. # 999759		Nosram LiPo 2S 7.6v. 47.1 Wh. 135C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **215/233 g.**	11.03.23
ProTek RC	ProTek RC # PTK-5117-22		ProTek LiPo 2S 7.6v. 36.5 Wh. 130C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **158/172 g.**	11.03.23
ProTek RC	ProTek RC # PTK-5102-22		ProTek LiPo 2S 7.6v. 38.0 Wh. 130C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **197/213 g.**	11.03.23
ProTek RC	ProTek RC # PTK-5114-22		ProTek LiPo 2S 7.6v. 48.6 Wh. 130C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **211/229 g.**	11.03.23
Ruddog Dist.	Ruddog # RP-0678		Ruddog LiPo 2S 7.6v. 34.4 Wh. 150C Max charge rate: 2C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **153/165 g.**	11.03.23

Approved Batteries v3.2 2S



STAGE 2 REPORT

BATTERIES BELOW THIS LEVEL WERE APPROVED BY IFMAR FOR 2022 AND ARE ALLOWED AT 2024 EVENTS.					
2S LiPo STICK BATTERIES					
Associated Electrics	Reedy Zappers SG5 # 27381		Reedy LiPo 2S 7.6v. 46.0 Wh. 130C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **235/255 g.**	27.04.22
Associated Electrics	Reedy Zappers SG5 # 27380		Reedy LiPo 2S 7.6v. 52.0 Wh. 130C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **274/296 g.**	27.04.22
Freemax Technology	Arrowmax # AM 700205		Freemax Tech LiPo 2S 7.4v. 42.9 Wh. 130C Max charge rate: 1C 4 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **212/230 g.**	27.04.22
Freemax Technology	Arrowmax # AM 700106		Freemax Tech. LiPo 2S 7.4v. 60.7 Wh. 130C Max charge rate: 1C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **314/340 g.**	27.04.22
Intellect Pioneering Battery Technology	IP Platinum Series # BG2S4800PT2		Intellect LiPo 2S 7.6v. 36.0 Wh. 120C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **158/172 g.**	27.04.22
Intellect Pioneering Battery Technology	IP Platinum Series # CC2S5900PT2		Intellect LiPo 2S 7.6v. 45.0 Wh. 120C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **235/255 g.**	27.04.22
Intellect Pioneering Battery Technology	IP Platinum Series # BG2S6400PT2		Intellect LiPo 2S 7.6v. 49.0 Wh. 120C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **211/229 g.**	27.04.22
Intellect Pioneering Battery Technology	IP Platinum Series # CC2S7000PT2		Intellect LiPo 2S 7.6v. 53.0 Wh. 120C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **274/296 g.**	27.04.22

Approved Batteries v3.2 2S



STAGE 2 REPORT

Italtrading	EZ-Power # EZP6100/2		Ital LiPo 2S 7.6v. 46.4 Wh. 140C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **235/255 g.**	27.04.22
Italtrading	EZ-Power # EZP6800/2		Ital LiPo 2S 7.6v. 51.7 Wh. 140C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **274/296 g.**	27.04.22
LRP	LRP G4.1 HV LCG Modified # 432282		LRP LiPo 2S 7.6v. 44.8 Wh. 120C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **241/261 g.**	27.04.22
LRP	LRP G4 Modified # 431271		LRP LiPo 2S 7.6v. 50.9 Wh. 120C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **263/285 g.**	27.04.22
Nosram	Nosram G4.1 HV Stock Spec. # 999747		Nosram LiPo 2S 7.6v. 41.8 Wh. 135C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **229/249 g.**	27.04.22
Nosram	Nosram G4.1 HV LCG Modified # 999758		Nosram LiPo 2S 7.6v. 44.8 Wh. 120C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **239/259 g.**	27.04.22
Nosram	Nosram G4 Modified # 999657		Nosram LiPo 2S 7.6v. 50.9 Wh. 120C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **263/285 g.**	27.04.22
Premium RC	Corsatec # CT10001		Corsatec LiPo 2S 7.6v. 48.6 Wh. 138C Max charge rate: 2C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **210/228 g.**	27.04.22
Premium RC	Corsatec # CT10012		Corsatec LiPo 2S 7.6v. 56.2 Wh. 138C Max charge rate: 2C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **258/280 g.**	27.04.22

Approved Batteries v3.2 2S



STAGE 2 REPORT

Premium RC	Corsatec # CT10011		Corsatec LiPo 2S 7.6v. 63.8 Wh. 138C Max charge rate: 2C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **288/312 g.**	27.04.22
Shenzhen Grepow	GensAce Redline # GEA4000 2S13D4		GensAce LiPo 2S 7.6v. 30.4 Wh. 130C Max charge rate: 1C 4 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **135/147 g.**	27.04.22
Shenzhen Grepow	GensAce Redline # GEA5100 2S13D5		GensAce LiPo 2S 7.6v. 38.8 Wh. 130C Max charge rate: 1C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **191/207 g.**	27.04.22
Shenzhen Grepow	GensAce Redline # GEA6000 2S13D5		GensAce LiPo 2S 7.6v. 45.6 Wh. 130C Max charge rate: 1C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **210/228 g.**	27.04.22
United Sino Enterprises	ORCA Infinite X # LP21IN243TS		United Sino Ent. LiPo 2S 7.4v. 31.8 Wh. 135C Max charge rate: 1C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **156/168 g.**	27.04.22
United Sino Enterprises	ORCA Infinite X # LP21B2S61SL		United Sino Ent. LiPo 2S 7.4v. 45.0 Wh. 135C Max charge rate: 1C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **234/254 g.**	27.04.22
United Sino Enterprises	ORCA Infinite X # LP21BL2S64T		United Sino Ent. LiPo 2S 7.4v. 47.3 Wh. 135C Max charge rate: 1C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **278/302 g.**	27.04.22
United Sino Enterprises	ORCA Infinite X # LP21BL2S86T		United Sino Ent. LiPo 2S 7.4v. 63.6 Wh. 135C Max charge rate: 1C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **308/334 g.**	27.04.22

Approved Batteries v3.2 2S



STAGE 2 REPORT

Xiamen 3-Circles	Sunpadow Platin # JA0031		3-Circles LiPo 2S 7.4v. 29.6 Wh. 130C Max charge rate: 3C 4 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **154/166 g.**	27.04.22
Xiamen 3-Circles	Sunpadow Platin # JA0018		3-Circles LiPo 2S 7.4v. 40.0 Wh. 120C Max charge rate: 3C 4 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **214/232 g.**	27.04.22
Xiamen 3-Circles	Sunpadow Platin # JA0021		3-Circles LiPo 2S 7.4v. 40.7 Wh. 130C Max charge rate: 3C 4 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **241/261 g.**	27.04.22
Xiamen 3-Circles	Sunpadow Platin # JA0025H		3-Circles LiPo 2S 7.6v. 49.4 Wh. 140C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **247/267 g.**	27.04.22
Xiamen 3-Circles	Sunpadow Platin # JA0032		3-Circles LiPo 2S 7.4v. 59.2 Wh. 130C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **306/332 g.**	27.04.22
BATTERIES BELOW THIS LEVEL WERE APPROVED BY IFMAR FOR 2020 AND ARE ALLOWED AT 2024 EVENTS.					
2S LiPo STICK BATTERIES					
Associated Electrics	Reedy Zappers # 27345		Reedy LiPo 2S 7.6v. 46.0 Wh. 115C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **264/286 g.**	01.01.20
Freemax Technology	Arrowmax # AM 700715		Freemax Tech. LiPo 2S 7.4v. 43.7 Wh. 120C Max charge rate: 1C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **238/258 g.**	01.01.20
Freemax Technology	Arrowmax # AM 700710		Freemax Tech. LiPo 2S 7.4v. 44.4 Wh. 120C Max charge rate: 1C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **258/280 g.**	01.01.20

Approved Batteries v3.2 2S



STAGE 2 REPORT

Modern Creations	T/Silverback Spiral-G # G5800 1402SIND		Modern Creations LiPo 2S 7.4v. 42.9 Wh. 140C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **238/258 g.**	01.01.20
Muchmore Racing	Impact # MLSG-SLCG5800		Muchmore LiPo 2S 7.4v. 43.0 Wh. 130C Max charge rate: 1C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **230/250 g.**	01.01.20
Neidhart SA	Absima # 4150009		Neidhart SA LiPo 2S 7.6v. 33.0 Wh. 120C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **171/185 g.**	01.01.20
Neidhart SA	Absima # 4150007		Neidhart SA LiPo 2S 7.6v. 44.0 Wh. 120C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **256/278 g.**	01.01.20
Neidhart SA	Absima # 4150008		Neidhart SA LiPo 2S 7.6v. 46.0 Wh. 120C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **209/227 g.**	01.01.20
Neidhart SA	Absima # 4150006		Neidhart SA LiPo 2S 7.6v. 63.0 Wh. 120C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **300/324 g.**	01.01.20
Neidhart SA	Orion V-Max # ORI 14522		Neidhart SA LiPo 2S 7.6v. 28.9 Wh. 128C Max charge rate: 3C 4 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **138/150 g.**	01.01.20
Neidhart SA	Orion V-Max # ORI 14523		Neidhart SA LiPo 2S 7.6v. 31.9 Wh. 128C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **170/184 g.**	01.01.20
Neidhart SA	Orion V-Max # ORI 14524		Neidhart SA LiPo 2S 7.6v. 47.1 Wh. 128C Max charge rate: 3C 4 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **202/218 g.**	01.01.20

Approved Batteries v3.2 2S



STAGE 2 REPORT

Neidhart SA	Orion V-Max # ORI 14525		Neidhart SA LiPo 2S 7.6v. 54.7 Wh. 128C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **265/287 g.**	01.01.20
Neidhart SA	Orion V-Max # ORI 14526		Neidhart SA LiPo 2S 7.6v. 62.3 Wh. 128C Max charge rate: 3C 4 x 4 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **307/333 g.**	01.01.20
Neidhart SA	Performa # PA9374		Neidhart SA LiPo 2S 7.6v. 33.0 Wh. 120C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **170/184 g.**	01.01.20
Neidhart SA	Performa # PA9373		Neidhart SA LiPo 2S 7.6v. 47.0 Wh. 120C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **264/286 g.**	01.01.20
Neidhart SA	Performa # PA9372		Neidhart SA LiPo 2S 7.6v. 63.0 Wh. 120C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **281/305 g.**	01.01.20
Shenzhen Grepow	GensAce Redline # 130C40002S1P HC61-HV		GensAce LiPo 2S 7.6v. 30.4 Wh. 130C Max charge rate: 1C 4 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **120/130 g.**	01.01.20
Shenzhen Grepow	GensAce Redline # 130C51002S2P HC65-HV		GensAce LiPo 2S 7.6v. 38.8 Wh. 130C Max charge rate: 1C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **204/220 g.**	01.01.20

Approved Batteries v3.2 2S

STAGE 2 REPORT

Shenzhen Grepow	GensAce Redline # 130C58002S1P HC56-HV		GensAce LiPo 2S 7.6v. 44.1 Wh. 130C Max charge rate: 1C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **216/234 g.**	01.01.20
Shenzhen Grepow	GensAce Redline # 130C60002S2P HC57-HV		GensAce LiPo 2S 7.6v. 45.6 Wh. 130C Max charge rate: 1C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **264/286 g.**	01.01.20
Shenzhen Grepow	GensAce Redline # 130C66002S1P HC57-HV		GensAce LiPo 2S 7.6v. 50.2 Wh. 130C Max charge rate: 1C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **269/291 g.**	01.01.20
Shenzhen Grepow	GensAce Redline # 130C82002S1P HC58-HV		GensAce LiPo 2S 7.6v. 62.3 Wh. 130C Max charge rate: 1C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **286/310 g.**	01.01.20
United Sino Enterprises	ORCA Infinite X # LP19IN2S60T		United Sino Ent. LiPo 2S 7.4v. 44.4 Wh. 130C Max charge rate: 1C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **239/259 g.**	01.01.20
United Sino Enterprises	ORCA Infinite X # LP19IN2S65T		United Sino Ent. LiPo 2S 7.4v. 48.1 Wh. 130C Max charge rate: 1C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **259/281 g.**	01.01.20

Approved Batteries v3.2 2S



STAGE 2 REPORT

Xiamen 3-Circles	Sunpadow Platin # JA0006		3-Circles LiPo 2S 7.4v. 31.1 Wh. 120C Max charge rate: 3C 4 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **182/198 g.**	01.01.20
Xiamen 3-Circles	Sunpadow Platin # JA0004		3-Circles LiPo 2S 7.4v. 38.5 Wh. 110C Max charge rate: 3C 4 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **202/218 g.**	01.01.20
Xiamen 3-Circles	Sunpadow Platin # JD0002		3-Circles LiPo 2S 7.4v. 38.5 Wh. 130C Max charge rate: 3C 4 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **235/255 g.**	01.01.20
Xiamen 3-Circles	Sunpadow Platin # JA0001		3-Circles LiPo 2S 7.4v. 44.4 Wh. 120C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **270/292 g.**	01.01.20
Xiamen 3-Circles	Sunpadow Platin # JA0003		3-Circles LiPo 2S 7.4v. 60.7 Wh. 130C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **304/330 g.**	01.01.20
BATTERIES BELOW THIS LEVEL WERE APPROVED BY IFMAR FOR 2019 AND ARE ALLOWED AT 2024 EVENTS.					
2S LiPo STICK BATTERIES					
Associated Electrics	Reedy Zappers # 27338		Reedy LiPo 2S 7.6v. 32.0 Wh. 80C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **149/161 g.**	28.02.19
Associated Electrics	Reedy Zappers # 27336 (Was # 27323)		Reedy LiPo 2S 7.6v. 45.0 Wh. 80C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **207/225 g.**	28.02.19

Approved Batteries v3.2 2S



STAGE 2 REPORT

Intellect Battery	IP # BG2S5000HV4		Intellect LiPo 2S 7.6v. 38.0 Wh. 120C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **197/213 g.**	28.02.19
Intellect Battery	IP # BG2S6000HV4		Intellect LiPo 2S 7.6v. 46.0 Wh. 120C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **207/225 g.**	28.02.19
Intellect Battery	IP # CC2S6000HV4		Intellect LiPo 2S 7.6v. 46.0 Wh. 120C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **259/281 g.**	28.02.19
Intellect Battery	IP # CC2S7000HV4		Intellect LiPo 2S 7.6v. 53.0 Wh. 120C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **259/281 g.**	28.02.19
Intellect Battery	IP # CC2S7600HV4		Intellect LiPo 2S 7.6v. 58.0 Wh. 120C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **293/317 g.**	28.02.19
Intellect Battery	IP # CC2S8400HV4		Intellect LiPo 2S 7.6v. 64.0 Wh. 120C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **317/343 g.**	28.02.19

Approved Batteries v3.2 2S



STAGE 2 REPORT

LRP	LRP G3 Modified # 430273		LRP LiPo 2S 7.6v. 29.6 Wh. 120C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **149/161 g.**	28.02.19
LRP	LRP G3 Modified # 430286		LRP LiPo 2S 7.6v. 34.2 Wh. 120C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **175/189 g.**	28.02.19
LRP	LRP G3 Stock spec # 430285		LRP LiPo 2S 7.6v. 44.1 Wh. 130C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **211/229 g.**	28.02.19
Muchmore Racing	Impact # MLSG-STLCGHV3800		Muchmore LiPo 2S 7.6v. 28.9 Wh. 130C Max charge rate: 1C 4 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **181/197 g.**	28.02.19
Nosram	Nosram G3 Modified # 999553		Nosram LiPo 2S 7.6v. 29.6 Wh. 120C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **149/161 g.**	28.02.19
Nosram	Nosram G3 Modified # 999560		Nosram LiPo 2S 7.6v. 34.2 Wh. 120C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **175/189 g.**	28.02.19
Nosram	Nosram G3 Stock Spec # 999559		Nosram LiPo 2S 7.6v. 44.1 Wh. 130C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **211/229 g.**	28.02.19

Approved Batteries v3.2 2S



STAGE 2 REPORT

Neidhart SA	Performa # PA9304		Neidhart SA LiPo 2S 7.4v. 27.0 Wh. 120C Max charge rate: 3C 4 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **124/134 g.**	28.02.19
Neidhart SA	Performa # PA9305		Neidhart SA LiPo 2S 7.6v. 30.0 Wh. 120C Max charge rate: 3C 4 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **126/136 g.**	28.02.19
Neidhart SA	Performa # PA9306		Neidhart SA LiPo 2S 7.4v. 43.0 Wh. 120C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **202/218 g.**	28.02.19
Neidhart SA	Performa # PA9307		Neidhart SA LiPo 2S 7.6v. 46.0 Wh. 120C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **204/222 g.**	28.02.19
Process Measurement & Analysis	Optipower # OPR 28002S100B		Optipower LiPo 2S 7.4v. 20.7 Wh. 100C Max charge rate: 3C 4 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **124/134 g.**	28.02.19
Process Measurement & Analysis	Optipower # OPR 33002S100B		Optipower LiPo 2S 7.4v. 24.4 Wh. 100C Max charge rate: 3C 4 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **141/153 g.**	28.02.19
Process Measurement & Analysis	Optipower # OPR 40002S-B		Optipower LiPo 2S 7.4v. 28.8 Wh. 60C Max charge rate: 2C 4 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **197/213 g.**	28.02.19

Approved Batteries v3.2 2S



STAGE 2 REPORT

ProTek RC	ProTek RC # PTK-5100-19		ProTek LiPo 2S 7.6v. 27.4 Wh. 120C Max charge rate: 3C 4 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **149/161 g.**	28.02.19
ProTek RC	ProTek RC # PTK-5124-19		ProTek LiPo 2S 7.6v. 31.1 Wh. 120C Max charge rate: 3C 4 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **149/161 g.**	28.02.19
ProTek RC	ProTek RC # PTK-5102-19		ProTek LiPo 2S 7.6v. 37.2 Wh. 120C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **195/211 g.**	28.02.19
ProTek RC	ProTek RC # PTK-5114-19		ProTek LiPo 2S 7.6v. 44.0 Wh. 120C Max charge rate: 3C 5 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **207/225 g.**	28.02.19
RC Concept	Omega # 50C5135000T		RC Concept LiPo 2S 7.6v. 26.6 Wh. 120C Max charge rate: 3C 4 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **134/146 g.**	28.02.19
RC Concept	Omega # 50C5145000T		RC Concept LiPo 2S 7.4v. 33.3 Wh. 100C Max charge rate: 3C 4 mm. Tubes.	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **194/210 g.**	28.02.19
RC Concept	Omega # 50C514800000		RC Concept LiPo 2S 7.6v. 36.5 Wh. 120C Max charge rate: 3C 4 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **197/213 g.**	28.02.19
Team Corally	Corally Voltax HV # 49606		Corally LiPo 2S 7.6v. 45.6 Wh. 120C Max charge rate: 2C 4 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **206/224 g.**	28.02.19

Approved Batteries v3.2 2S



STAGE 2 REPORT

Xiamen 3-Circles	Sunpadow # S638066		3-Circles LiPo 2S 7.4v. 28.1 Wh. 130C Max charge rate: 3C 4 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **157/170 g.**	28.02.19
Xiamen 3-Circles	Sunpadow # 7150135		3-Circles LiPo 2S 7.4v. 33.3 Wh. 120C Max charge rate: 3C 4 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **212/230 g.**	28.02.19
Xiamen 3-Circles	Sunpadow # S653065		3-Circles LiPo 2S 7.4v. 39.2 Wh. 130C Max charge rate: 3C 4 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **243/263 g.**	28.02.19
Xiamen 3-Circles	Sunpadow # S684064		3-Circles LiPo 2S 7.4v. 62.2 Wh. 120C Max charge rate: 3C 4 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **325/353 g.**	28.02.19
Yokomo	Yokomo # YB-V235B		Yokomo LiPo 2S 7.4v. 25.9 Wh. 100C Max charge rate: 2C 4 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **151/163 g.**	28.02.19
Yokomo	Yokomo # YB-V246B		Yokomo LiPo 2S 7.4v. 34.0 Wh. 100C Max charge rate: 2C 4 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **205/223 g.**	28.02.19
Yokomo	Yokomo # RPB-55LCG		Yokomo LiPo 2S 7.6v. 41.8 Wh. 140C Max charge rate: 2C 4 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **232/252 g.**	28.02.19
Yokomo	Yokomo # RPB-60LCG		Yokomo LiPo 2S 7.4v. 44.4 Wh. 140C Max charge rate: 2C 4 mm. Tubes	Max. dimensions : 139.0 x 47.0 x 25.1 Scrutineers Wt. allowed: - **277/301 g.**	28.02.19