

A 1 A Cell count, battery weight and runtime overview 2016

Classes	Number/ max weight LiPo	number NiMh	Number/ max weight LiFePo	Runtime	Min.boatweight length	Motor
Eco	2S1P/2S2P/3S1P/3S2P 285 gr Hardcase allowed	7 SubC	Max 510 gr. Type 26650 Max. 6 cells (3S2P)	6 minutes	1000 gr.	Open
Eco Team	3x2S1P/2S2P/3S1P/3S2P à 285 gr Hardcase allowed	3x7 SubC	3x Max 510 gr. Type 26650 3x Max. 6 cells (3S2P)	18 minutes	1000 gr. Per boat	Open
Mini Eco	2S1P/2S2P/3S1P/3S2P 113 gr.	7x2/3 AF	3 cells 18650 or 2 cells 26650	6 minutes	430 mm 450 gr.	Open
Mini Eco Team	3x2S1P/2S2P/3S1P/3S2P à 113 gr.	3x7x2/3 AF	3x3 cells 18650 or 3x2cells 26650	18 minutes	3x430 mm 3x450 gr.	Open
Mini Mono	2S1P/2S2P/3S1P/3S2P 113 gr.	7x2/3 AF	3 cells 18650 or 2 cells 26650	6 minutes	450 mm 450 gr.	Open
Mono I	2S1P/2S2P/3S1P/3S2P à 285 gr. Hardcase allowed	7 SubC	3S2P max 6 cells 26650	6 minutes	-	Open
Mono II	From 4S1P/4S2P upto 6S1P/6S2P 570 gr. Hardcase allowed	8-14 SubC	Max. 12cells 4-6S2P type 26650	6 minutes	-	Open
Mini Hydro	2S1P/2S2P/3S1P/3S2P 113 gr.	7x2/3 AF	3 cells 18650 or 2 cells 26650	6 minutes	450 mm 450 gr.	Open
Hydro I	2S1P/2S2P/3S1P/3S2P à 285 gr. Hardcase allowed	7 SubC	3S2P max 6 cells 26650	6 minutes	-	Open
Hydro II	From 4S1P/4S2P upto 6S1P/6S2P 570 gr. Hardcase allowed	8-14 SubC	Max. 12cells 4-6S2P type 26650	6 minutes	-	Open
FSRE	855 gr. Max 43 Volt No battery changes allowed Hardcase allowed	Max 21 SubC Battery changes allowed	Max 18 cells 26650 Battery changes allowed	15 minutes	-	Open
F1E	43 V 1400 gr.	30 cells any type max 43 V	24 cells max 43 V	5 minutes		Open
F3E	43 V 1400 gr.	30 cells any type max 43 V	24 cells max 43 V	5 minutes		Open

Anex A 1 B

Maximum and Minimum battery Voltage

Cell type	Max Voltage before race	Min Voltage after race
NiMh	1.20V	none
Lipo	4.23V	3.30V
LiFePo	3.65V	2.50V

The measurement is performed only once. The measurement cannot be influenced (by the competitor, or his helper) (after the race) by any tools such as resistors or chargers.

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Classes	Number of LiPo	Limit value	Ramp down time	Dead time	Run time	Min. Boat length	Motor
Eco	2S1P/2S2P/3S1P/3S2P Hardcase allowed	3600Wmin 60Wh	5 seconds	60sec	6 minutes	1000gr.	Open
Eco Team	3x2S1P/2S2P/3S1P/3S2P Hardcase allowed	3x3600Wmin 3x 60Wh	5 seconds	60sec	18 minutes	1000gr.Per boat	Open
Mini Eco	2S1P/2S2P/3S1P/3S2P	1260Wmin 21Wh	5 seconds	60sec	6 minutes	430mm 450gr.	Open
Mini Eco Team	3x2S1P/2S2P/3S1P/3S2P	3x1260Wmin 3x 21Wh	5 seconds	60sec	18 minutes	3x430mm 3x450gr	Open
Mini Mono	2S1P/2S2P/3S1P/3S2P	1260Wmin 21Wh	5 seconds	60sec	6 minutes	450mm 450gr.	Open
Mono I	2S1P/2S2P/3S1P/3S2P Hardcase allowed	3600Wmin 58Wh	5 seconds	60sec	6 minutes		Open
Mono II	From 4S1P/4S2P upto 6S1P/6S2P	7200Wmin 120Wh	5 seconds	60sec	6 minutes		Open
Mini Hydro	2S1P/2S2P/3S1P/3S2P	1260Wmin 21Wh	5 seconds	60sec	6 minutes	450mm 450gr.	Open
Hydro I	2S1P/2S2P/3S1P/3S2P Hardcase allowed	3600Wmin 60Wh	5 seconds	60sec	6 minutes		Open
Hydro II	From 4S1P/4S2P upto 6S1P/6S2P Hardcase allowed	7200Wmin 120Wh	5 seconds	60sec	6 minutes		Open
FSRE	Max 43 Volt No battery changes allowed Hardcase allowed	10800Wmin 180Wh	5 seconds	60sec	15 minutes		Open