

Module	"Extreme" version 12P	"Endurance" version 12P	"Ectreme" version 8P	"Endurance" version 8P	Unit	Comment
Reference picture						
Application	Race and performance EV	Race and performance EV	Race and performance EV	Race and performance EV		
Cell brand and type	12x Molicel 21700-P42A	12x Molicel 21700-P45B	8x Molicel 21700-P42A	8x Molicel 21700-P45B		Other cell types on request
Capacity rated	50,4	54,0	33,6	36,0	Ah	At 0.2C and ideal situations
Capacity irl	48,0	51,3	32,0	34,2	Ah	realistic at 1C discharge / 0.5C charge
Size LxWxH	150 x 79 x 46	150 x 79 x 46	106 x 79 x 46	106 x 79 x 46	mm	based on full LxWxH incl. topcap
Weight	988	988	727	727	gram	incl. topcap & bolts excl busbar & bms
Voltage minimal (discharge cut-off)	2,5	2,5	2,5	2,5	V	
Voltage nominal	3,60	3,60	3,60	3,60	V	
Voltage maximum	4,2	4,2	4,2	4,2	V	
Specific energy density	175	187	158	169	Wh / kg	Based on realistic capacity
Specific energy density	320	342	303	324	Wh / l	Based on realistic capacity
Specific power density	1968	1968	1783	1783	W / kg	Based on peak power
Specific power density	3600	3600	3411	3411	W / l	Based on peak power
Max discharge current continuous until empty	300	300	200	200	A	Cell surface stays below 60°C*
Max discharge current 50% duty cycle until empty	420	420	280	280	A	Cell surface stays below 60°C*
Discharge spike current	540	540	360	360	A	< 10 sec, > 1min between peaks
Standard charge	1,0	1,0	1,0	1,0	C	CCCV 4.2V, 0.05C cutoff
Fast charge	2,0	3,0	2,0	3,0	C	CCCV 4.2V, 0.10C cutoff
Standard charging time	75	75	75	75	min	100% capacity @ 100mA cutoff
Fast charging time	40	35	40	35	min	100% capacity @ 100mA cutoff
Fast charging time	25	20	25	20	min	80% capacity

\* Assuming coolant temperature of 20°C