

## Smart Lithium Battery Pack - ChillCharge Series

ITEMS	51.2V 62Ah	51.2V 135Ah	38.4V 135Ah	76.8V 135Ah
<b>General</b>				
Nominal Voltage	51.2V	51.2V	38.4V	76.8V
Working Voltage	43.2V – 58.4V	43.2V – 58.4V	32.4V – 43.8V	64.8V – 87.6V
Recommended Voltage	48.0V – 57.0V	48.0V – 57.0V	36.0V – 42.0V	72.0V – 86.4V
Cells	16	16	12	24
Nominal Capacity	62Ah	135Ah	135Ah	135Ah
Energy	3.174Wh	6.912Wh	5.184Wh	10.368Wh
Self Discharge	3% Per Month	3% Per Month	3% Per Month	3% Per Month
IP Rating	IP67	IP67	IP67	IP67
<b>Physical</b>				
Cell Chemistry	Lithium Iron Phosphate	Lithium Iron Phosphate	Lithium Iron Phosphate	Lithium Iron Phosphate
Cell Type	Prismatic	Prismatic	Prismatic	Prismatic
Cell Configuration	1P16S	1P16S	1P12S	1P24S
Weight	34 kg(75 lbs)	58kg(128 lbs)	47kg(104 lbs)	82kg(181 lbs)
Dimension LxWxH	459x248x207mm (18.1" x 9.8" x 8.2")	440x318x270mm (17.3" x 12.5" x 10.6")	358x318x265 mm (14.1" x 12.5" x 10.4")	570x319x275mm (22.4" x 12.6" x 10.8")
Terminal Type	M8 Female	M8 Female	M8 Female	M8 Female
Shell Type	Powder Coated Steel	Powder Coated Steel	Powder Coated Steel	Powder Coated Steel
UN Shipping Class	UN 3480, Class 9	UN 3480, Class 9	UN 3480, Class 9	UN 3480, Class 9
<b>Safety</b>				
Charging Freeze Protection	Yes, Under -4°F	Yes, Under -4°F	Yes, Under -4°F	Yes, Under -4°F
Pack Over-Voltage	Yes	Yes	Yes	Yes
Cell Over-Voltage	Yes	Yes	Yes	Yes
Pack Under-Voltage	Yes	Yes	Yes	Yes
Cell Under-Voltage	Yes	Yes	Yes	Yes
Cell Over-Temp	Yes	Yes	Yes	Yes
BMS Over-Temp	Yes	Yes	Yes	Yes
Short Circuit/Over Current	Yes	Yes	Yes	Yes
Certifications	UN38.3, UL1642 Cell	UN38.3, UL1642 Cell	UN38.3, UL1642 Cell	UN38.3, UL1642 Cell
<b>Charge</b>				
Recom. Charging Current	30A	30A	30A	30A
Max Charging Current	40A	40A	40A	40A
BMS High Voltage Cutoff	58.4V	58.4V	58.4V	87.6V
Charging Temp. Range	-4°F to 131°F	-4°F to 131°F	-4°F to 131°F	-4°F to 131°F
<b>DisCharge</b>				
Max Continuous Discharge	150A	250A	250A	250A
Max Discharge 3 Sec	480A	480A	480A	480A
Max Discharge 30 Sec	315A	400A	400A	400A
BMS Voltage Cutoff	43.2V	43.2V	43.2V	64.8V
BMS Voltage Recovery	48V	48V	48V	72V
Discharge Temp Range	-22°F to 140°F	-22°F to 140°F	-22°F to 140°F	-22°F to 140°F
<b>Communication</b>				
Bluetooth	Yes	Yes	Yes	Yes
CAN	Yes	Yes	Yes	Yes