



EFG-W48100
Wall Mounted



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EFG-R48100
Rack Mounted

Mechanical Properties		EFG-R48100
Dimension	44.2*42*17.7cm (17.4*16.5*7in)	
Weight	42.6kg (94 Lbs)	
Housing Material	White Metal	
Terminal Model	2x M8 (Use 5/16" Ring Lugs)	
Electrical Characteristics		
Nominal Voltage	51.2V	
Rated Capacity(0.2c)	100Ah	
Efficiency	>98%	
Energy	5,120Wh	
Self Discharge	≤3% Per Month	
Communication interface	RS485/RS232/CAN2.0	
Protection features	Charging overvoltage protection, discharge under-voltage protection, over current protection, over temperature protection, Short circuit protection, etc.	
Scalability	Max. 15 in parallel, max. 76.8kwh	
Charging Parameters		
Recommended Charge Current	0 ~ 63A	
Maximum Charge Current	100A	
Recommended Charge Voltage	57.6V-58.4V	
BMS Charge Voltage Cut-off	>58.2V	
Reconnect Voltage	<57.6V	
Balancing Voltage	>57.6V	
Discharging Parameters		
Maximum Continuous Discharge Current	100A	
Peak Discharge Current	120A (1S)	
BMS Discharge Current Cur-off	350A	
BMS Discharge Voltage Cur-off	<43.2V	
Reconnect Voltage	>46V	
Recommended Low Voltage Disconnect	46V	
Operation & Storage Temperature Range		
Discharge Temperature	-4 to 140 °F (-20 to 60 °C)	
Charge Temperature	32 to 113 °F (0 to 45 °C)	
Storage Temperature	-4 to 149 °F (-20-65 °C)	
Installation location	Indoor	
Enclosure rating	IP52	
Altitude	<2000M	
Cooling	Natural convection	
Certificates		
Products	IEC62619, UN38.3, ROHS, CE-EMC, FCC, UL1642, MSDS	
Shipping	UN 3480 MSDS	