

Ucanpower, Bring Energy to Life!



SmartBee-5120MT Low Voltage Battery System

This series lithium iron phosphate battery can be used to support reliable power for various types of equipment and systems. This series is especially suitable for application scene of high power, limited installation space, restricted load-bearing and long cycle life. This series has built-in BMS battery management system, which can manage and monitor cells information including voltage, current and temperature. What's more, BMS can balance cells charging and discharging to extend cycle life.



Support 1C charge and discharge rate.



Remote diagnosis and real-time data monitoring.



Compact size and space saving, Easy to wall mount.



Just plug and play to minimize the installation time and cost.

Battery Module	SmartBee-5120MT
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Electrical Parameter	
Battery Type	LiFePO4
Battery Capacity per Kit [Wh]	5120Wh
Usable Energy [Wh]	4600Wh
Rated Voltage [V]	51.2V
Voltage range [V]	44.8V-57.6V
Max. Charging and Discharging Rate	100A
Depth Of Discharge [DOD]	≤90%
Cycle Life(25°C ,0.5C)	≥6000 times,80% Capacity retention
Scalability	Yes (up to 20.48kWh)
General Data	
Communication Mode	RS232/CAN2.0
Operating Temperature Range	0~50°C (Charge)/-10~50°C(Discharge)
Storage Temperature Range	-15°C~60°C
Cooling Method	Natural Convection
Altitude	<1000m
Ambient Humidity	20-95% non-condensing
Noise[dBA]	<25
Ingress Protection	IP20
Dimensions [H*W*D]	630*453*182mm
Weight	51.2kg

Information may be subject to change without notice during product improving.

