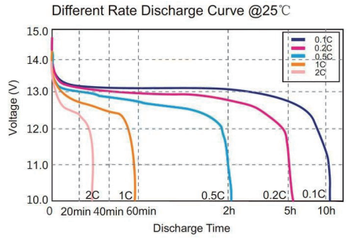
LEAD ACID REPLACEMENT BATTERY

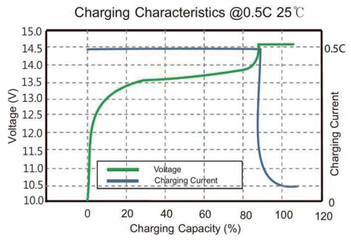
INDUSTRIAL BATTERIES

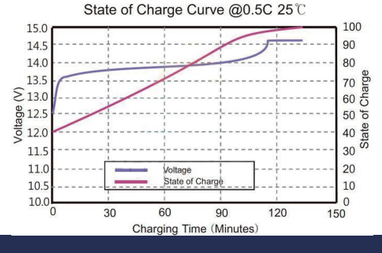
FEATURE & BENIFITS

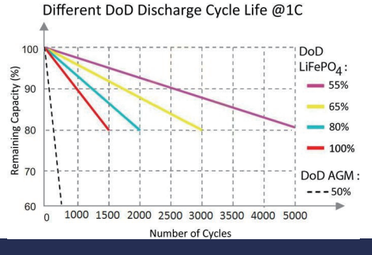
- Steady output voltage, vibration & shock resistant, no memory effect, pressure resistant cells.
- Built-in BMS Protection： battery management system are incorporated to protect battery from over charging, over discharging, short circuit.
- Light Weight: dry power lithium batteries has higher energy density， wh/kg also being up to 1/3 of SLA battery.
- Wide Operating Temperature Range: suitable for users in a wider range of applications where ambient temperature is unusually high up to +60°C.
- Steady output voltage, vibration & shock resistant, no memory effect, pressure resistant cells.

PERFORMANCE CHARACTERISTIC









SYSTEM TECHNICAL PARAMETERS

Model	12.8V 100Ah	12.8V 200Ah
Electrical Specification		
Nominal Voltage	12.8V	
Nominal Capacity	100Ah	200Ah
Capacity @20A	5HR	10HR
Energy	1280Wh	2560Wh
Resistance	≤20mΩ	
Efficiency	99%	
Self Discharge	<3% per month	
Discharge Specification		
Max. Cont. Discharge	100A	200A
Peak Discharge Current	150A	250A
Discharge Cut-off Voltage	10V	
Charge Specification		
Recommended Charge Current	50A	100A
Max. Charge Current	100A	200A
Max Charge Voltage	14.6V	
Mechanical Specification		
Dimensions(L*W*H)	330*173*217mm	484*168*240mm
Net/Gross Weight	11.5kg/12kg	19.5kg/20.5kg
Terminal Type	M8 Screw	
Case Material	ABS case	
Enclosure Protection	IP65	
Cell Type	Square Aluminum Case	
Expansion Function	Heating/Bluetooth/Switch/Display Screen	
Temperature Specification		
Discharge Temperature	-20 to 60°C	
Charge Temperature	0°C to 55°C	
Storage Temperature	-20 to 40°C(Recommended:25 °C)	
Reconnect Temperature	55°C	
Certificates		
	UL1973, UN38.3, MSDS	UN38.3, MSDS





SYSTEM TECHNICAL PARAMETERS

Model	25.6V 100Ah	25.6V 200Ah
Electrical Specification		
Nominal Voltage	25.6V	
Nominal Capacity	100Ah	200Ah
Capacity @20A	5HR	10HR
Energy	2560Wh	5120Wh
Resistance	≤50mΩ	
Efficiency	99%	
Self Discharge	<3% per month	
Discharge Specification		
Max. Cont. Discharge	100A	200A
Peak Discharge Current	150A	250A
Discharge Cut-off Voltage	20V	
Charge Specification		
Recommended Charge Current	50A	100A
Max. Charge Current	100A	200A
Max Charge Voltage	29.2V	
Mechanical Specification		
Dimensions(L*W*H)	448*168*240mm	520*267*220mm
Net/Gross Weight	19kg/20.5kg	39kg/40.5kg
Terminal Type	M8 Screw	
Case Material	ABS case	
Enclosure Protection	IP65	
Cell Type	Square Aluminum Case	
Expansion Function	Heating/Bluetooth/Switch/Display Screen	
Temperature Specification		
Discharge Temperature	-20 to 60°C	
Charge Temperature	0°C to 55°C	
Storage Temperature	-20 to 40°C(Recommended:25 °C)	
Reconnect Temperature	55°C	
Certificates		
	UN38.3, MSDS	





SYSTEM TECHNICAL PARAMETERS

Model	38.4V 100Ah	51.2V 100Ah
Electrical Specification		
Nominal Voltage	38.4V	51.2V
Nominal Capacity	100Ah	
Capacity @20A	5HR	
Energy	3840Wh	5120Wh
Resistance	≤20mΩ	≤50mΩ
Efficiency	99%	
Self Discharge	<3% per month	
Discharge Specification		
Max. Cont. Discharge	100A	
Peak Discharge Current	150A	
Discharge Cut-off Voltage	30V	40V
Charge Specification		
Recommended Charge Current	50A	
Max. Charge Current	100A	
Max Charge Voltage	43.8V	58.4V
Mechanical Specification		
Dimensions(L*W*H)	520*267*220mm	520*267*220mm
Net/Gross Weight	31.2kg/33kg	39kg/40.5kg
Terminal Type	M8 Screw	
Case Material	ABS case	
Enclosure Protection	IP65	
Cell Type	Square Aluminum Case	
Expansion Function	Heating/Bluetooth/Switch/Display Screen	
Temperature Specification		
Discharge Temperature	-20 to 60°C	
Charge Temperature	0°C to 55°C	
Storage Temperature	-20 to 40°C(Recommended:25 °C)	
Reconnect Temperature	55°C	
Certificates		
	UN38.3, MSDS	



