

BATTERY DESIGNED FOR ALL ESS APPLICATIONS

### Battery Series

# SP5120



### TECHNICAL SPECIFICATIONS

Physical	
Battery type	LiFePO4
Pack weight	45±0.5kg
Pack dimensions	530 x 450 x 162mm
IP Protection	IP25
Warranty	5 years
Electrical	
Energy capacity	5.12KWh
Usable capacity	4.9KWh
Nominal capacity	100Ah
Nominal voltage	51.2V

# DATASHEET

<b>Operating voltage range</b>	44.8V – 57.6V
<b>Cycle life</b>	≥ 6000
<b>Charging</b>	
<b>Standard charging current</b>	≤ 50A (0.5C)
<b>Max. charging current</b>	≤ 100A (1C)
<b>Charging temperature range</b>	0°C~55°C
<b>Discharging</b>	
<b>Standard discharging current</b>	≤ 50A (0.5C)
<b>Max. discharging current</b>	≤ 150A (1.5C)
<b>Discharge temperature range</b>	-20°C~55°C
<b>Operation</b>	
<b>Storage temperature</b>	-20°C~45°C (<1 month), 0°C~35°C (>1 month)
<b>Relative humidity</b>	15%~90%
<b>BMS</b>	
<b>Parallel connection</b>	1-6 units
<b>Protection function</b>	Overvoltage/ Undervoltage/ Overcurrent/ Short-circuit/ Reverse connection
<b>Communication interface</b>	RS485/RS232/CAN/GPRS
<b>Certification</b>	
<b>Transportation</b>	UN38.3
<b>Safety</b>	