



## SK12V280H Lithium Iron Phosphate Battery

<b>Mechanical Properties</b>	
Dimension	332L x 241W x 250Hmm
Weight	33.2 kg
Housing Material	Aluminium Case
Terminal Size	M8
<b>Electrical Characteristics</b>	
Nominal Voltage	12.8
Rated Capacity	280Ah
Capacity @ 20A	840 Min
Energy	3584 Wh
Self Discharge	≤3% Per Month
Cells	3.2V 280 Ah cells
<b>Charging Parameters</b>	
Recommended Charge Current	56A
Maximun Charge Current	120A
Recommended Charge Voltage	14.6V
BMS Charge Voltage Cut-off	<14.6V (3.65v/cell)
Reconnect Voltage	>14.4V (3.6v/cell)
Balancing Voltage	<14.4V (3.6v/cell)
Maximum Batteries in Series/Parallel	4/10
<b>Discharge Parameters</b>	
Maximum Continuous Discharge Current	200A
Peak Discharge Current	250A (3S)
BMS Discharge Voltage Cut Off	> 10.4 (50~150 ms)(2.6v/cell)
Reconnect Voltage	>11.6V (2.9v/cell)
Recommended Low Voltage Disconnect	11.2V
<b>Operation &amp; Storage Temperature Range</b>	
Discharge Temperature	-20 to 60 °C
Charge Temperature	-20 to 45 °C
Storage Temperature	-20 to 35 °C
BMS High Temperature Cut-Off	65 °C
Reconnect Temperature	55 °C
<b>Compliance</b>	
Construction	4S 1P 3.2v LiFePO4
Certifications	UL1973,UL9540A,IEC62619 for Cells
Cell Type	Prismatic LiFePO4 3.2V 280Ah Grade A+ Cell