

Lithium Ion Battery Specification

Name	LiFePo4 battery pack
Type	Highpower, HP-W-12.8V/100Ah
Specification	12.8V/100Ah



No.	Item	Unit	Parameter	Remark
1	Nominal capacity	Ah	100	Capacity according to standard discharge, After standard charge
2	Nominal voltage	V	12.8	Average Voltage according to standard discharge, After standard charge
3	Charge type		CC/CV	MPPT Solar charge controller, SMR500-SMR2500
4	Charge cut off voltage	V	14.6	
5	Discharge cut off voltage	V	10.6	MPPT Solar charge controller, SMR500-SMR2500
6	Nominal working current	A	300	
7	Inner Resistance	Ω	<35m	
8	Weight	kg	18	Net weight of battery back
9	dimension	mm	258x163x29 2	Net dimension of battery pack
10	Working temperature, charge	$^{\circ}\text{C}$	0 to 45	
11	Working temperature, discharge	$^{\circ}\text{C}$	-20 to 60	
12	Storage Temperature 1 month 3 months 1 year	$^{\circ}\text{C}$	-20 to 60 -20 to 45 -20 to 25	
13	Relative humidity	RH	25%-80%	





