



BATTERY SPECIFICATIONS

Battery type-Chemistry	LiFePO4	Voltage Window	43.2V-58.4V
Nominal Voltage	51.2V	Recommend Charge Voltage	57.6V
Nominal Capacity	315Ah	Max Charge Voltage	58.4V
Energy Density	16128Wh	Recommend Charge Current	20A
Dimensions(LxWxH)	825*413*233mm	Max Continuous Current	150A
Weight	124.8KGS	Recommend Discharge Voltage	44.8V
Terminal Type	Plug-in	Max Discharging Voltage	43.2V
Terminal Torque	8.5NM	Max Continuous Discharge Current	150A
Case Material	SPCC	Peak Discharge Current	200A
BMS build-in	Yes	Cycle Life(0.2C, 25°C@80% DOD)	6000 Cycles
AH Efficiency – round trip	>98%	Discharge Temperature	(- 20 to 55)°C
Self Discharge per Month	<3%	Charge Temperature	(0 to 55)°C
Max in Parallel	16PCS	Storage Temperature	(- 20 to 45)°C
Max in Series	Not Allowed	Bluetooth(App)	Optional
LCD Screen	Optional	Heating Function	Optional

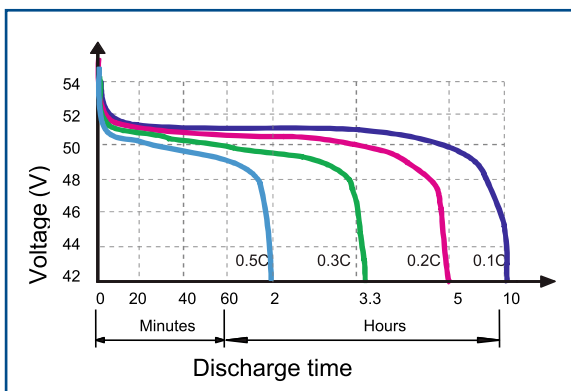
BMS CHARACTERISTICS

Primary Charging Protection	Current :155A	Delay Time: 20s
Second Charging Protection	Current :160A	Delay Time: 2~3s
Primary Discharging Protection	Current :155A	Delay Time: 10s
Second Discharging Protection	Current :200A	Delay Time: 100ms
Over charge Voltage Protection	Voltage :58.4V	Delay Time: 1~2s
Over Discharge Voltage Protection	Voltage :43.2V	Delay Time: 1~2s
Temperature Protection	PCB Temperature≥95 Recover≤85	°C °C
Communication Port	Major RS485, optional for CAN / Dry port, customized acceptable	

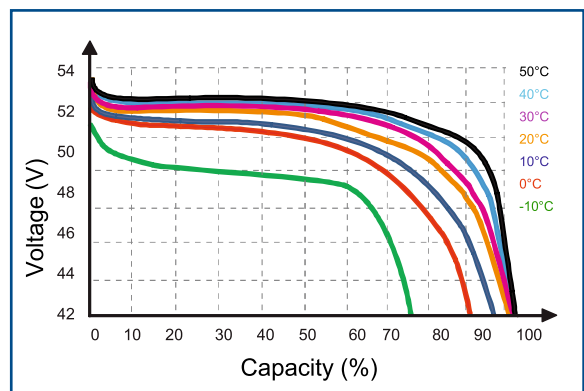
Discharge Time	1h	2h	3h	4h	5h	10h	20h
Cut off voltage (44.8V)	--	150A	100A	75A	60A	30A	15A

Discharge Time	1h	2h	3h	4h	5h	10h	20h
Cut off voltage (44.8V)	--	7680W	5120W	3840W	3072W	1536W	768W

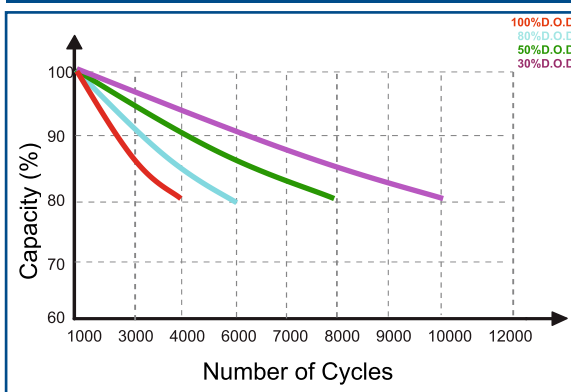
Discharge characteristics (25°C)



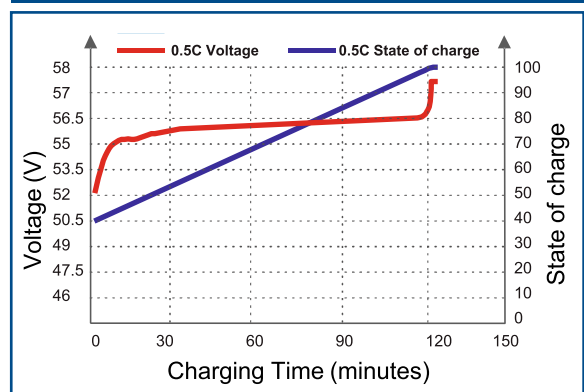
Different Temperature Discharge Curve (0.5C)



Different DOD Discharge cycle life Curve 0.2C 25°C



State of Charge Curve (0.5C, 25°C)



Note 1: Please always refer to the latest edition of our technical manual that published on our website to ensure safe and efficient operation.

Note 2: When make parallel connection, please full discharge batteries, then recharge after parallel connected; when series connect, please keep batteries with same remain capacity/

Note 3: Parallel connection is only for longer backup time, not for larger output power.