

LITHIUM BATTERY



Molde: 30KWh

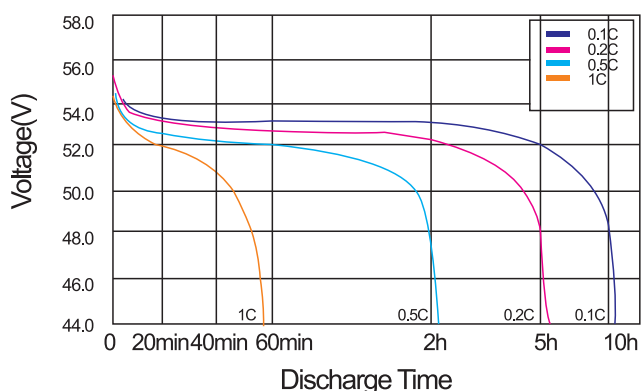
- Easy Installation and Maintenance
- High Cycle Life Reliable Performance
- Compatible with Most Solar Inverters
- Convenient CAN & RS485 & RS232 Communication
- Wall-mounted/ Stack Installation/ Floor Installation

PRODUCT PARAMETERS

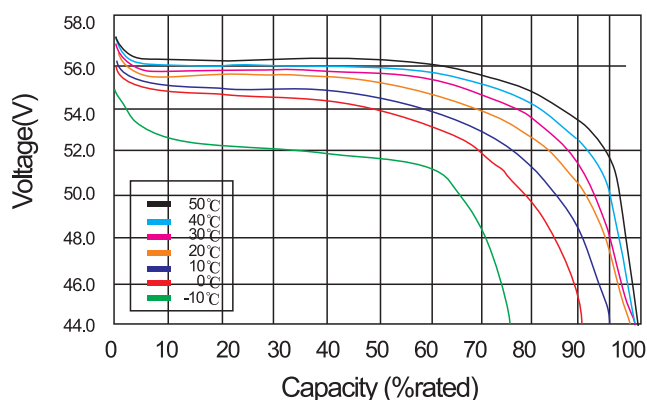
Model	PD-30KW
Capacity	30kWh
Battery Type	LiFePO4
Nominal Voltage	51.2V
Operating Voltage	44.8-57.6V
Recommend Charge/Discharge Current	≤200A
Recommend Charge/Discharge Power	≤10,000W
Maximum Charge/Discharge Current(15s)	300A
Maximum Charge/Discharge Power(15s)	15,000W
Depth of Discharge(DOD)	≥95%
Scalability	Up to 15 units in parallel(450kWh)
Communication	RS485/CAN
Protection Level	IP21
Cycle Life	≥6000 Cycles
Charging Temperature Range	0-55°C
Discharging Temperature Range	-20-50°C
Display	LCD+LED
Installation	Floor-Mounted
Protection	Built-in smart BMS,Breaker,Fuse
Net Weight	255kg
Gross Weight	285kg
Product Dimension	738x439x909mm
Package Dimension	818x519x959mm
Recommend charge/discharge current/power is affected by temperature and SOC.	
Test conditions:0.2C Charging/Discharging @25°C, 80%DOD.	

Charging and Discharge Curve

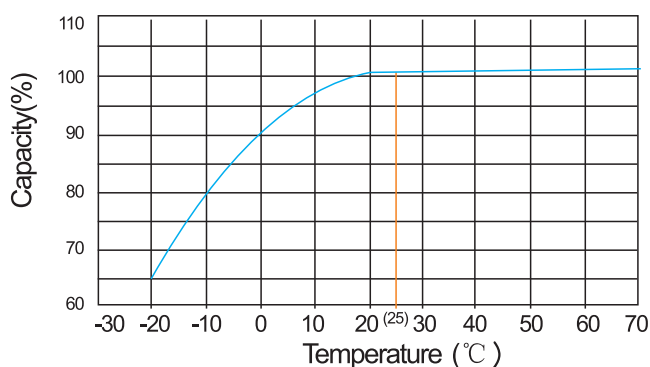
Different Rate Discharge Curve@25°C



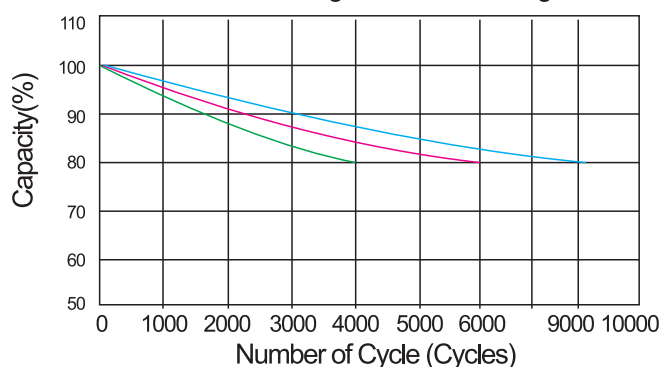
Different Temperature Discharge Curve @ 0.5C



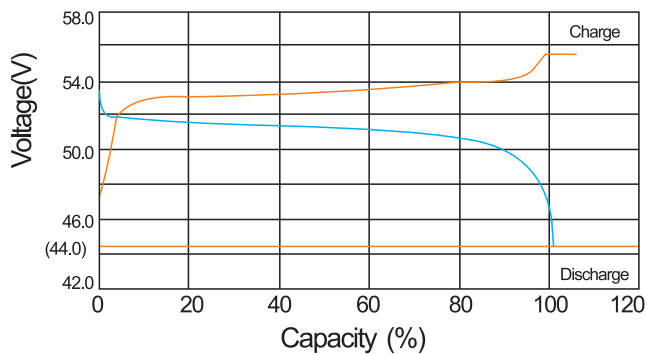
Temperature Effectson Capacity at 0.5C



Cycle Life with DOD at 25°C
0.5C Discharge and 0.25C Charge



Chargeand Discharge at 25°C ,0.5C



Different Temperature Self Discharge Curve

