



SHENZHEN LITU NEW ENERGY TECHNOLOGY CO.,LTD



## PRODUCT SPECIFICATIONS

Battery Specifications	
Model No	YP51300-15KWH
Nominal Parameters	
Voltage	51.2V
Material	Lifepo4
Capacity	300Ah
Energy	15Kwh
Dimensions (L x W x H)	600x846x293 mm
Weight	158 kg
Basic Parameters	
Life time(25° C)	Expected Life time
Life cycles(80% DOD, 25° C)	6000 Cycles
Storage time / temperature	5 months @ 25° C; 3 months @ 35° C; 1 month @ 45° C
Operation temperature	- 20° C to 60° C @60+/-25% Relative Humidity
Storage temperature	0° C to 45° C @60+/-25% Relative Humidity
Lithium Battery Standard	UL1642(Cell), IEC62619, UN38.3, MSDS, CE-EMC
Enclosure protection rating	IP21
Electrical Parameters	
Operation voltage	51.2 Vdc
Max. charging voltage	58 Vdc
Cut-off-Discharge Voltage	46 Vdc
Max, charging and discharging current	100A Max. Charge and 200A Max. Discharge
Compatibility	Compatible with all standard off grid inverters and charge controllers. Battery to inverter output sizing keep 2:1 ratio.
Warranty Period	warranty 5-10 years
Remarks	Youth Power battery BMS must be wired in parallel only. Wiring in series will void the warranty.



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