



SHENZHEN LITU NEW ENERGY TECHNOLOGY CO.,LTD



## PRODUCT SPECIFICATIONS

Battery Specifications				
Model No.	YP 2U-4850 YP 2U-5150	YP 4U-48100 YP 4U-51100	YP 5U-48150 YP 5U-51150	YP 5U-48200 YP 5U-51200
Voltage	48V/51.2V			
Combination	15S/16S 1-4P			
Capacity	50AH	100AH	150AH	200AH
Energy	2.4KWH	5KWH	7KWH	10KWH
Weight	23KG	48KG	72KG	87KG
Cell	3.2V 50AH UL 1642			
BMS	Built - in Battery Management System			
Connectors	Waterproof connector			
Dimension	442x480x88mm	442x480x220mm		
Cycles ( 80% DOD )	6000 cycles			
Depeth of discharge	Upto 100%			
Life time	10 years			
Standard charge	20A	50A	50A	50A
Standard discharge	20A	50A	50A	50A
Maximum continuous charge	50A	100A	100A	120A
Maximum continuous discharge	50A	100A	100A	120A
Operation temperature	Charge : 0-45°C, Discharge : -20~55°C			
Storage Temperature	Keep at -20 to 65°C			
Protection standard	Ip21			
Cut off voltage	45V			
Max.charging voltage	54V			
Memory effect	None			
Maintenance	Maintenance free			
Compatibility	Compatible with all standard offgrid inverters and charge controllers. Battery to inverter output sizing keep 2:1 ratio.			
Warranty Period	5-10 Years			
Remarks	Youth Power rack battery BMS must be wired in parallel only. Wiring in series will void the warranty. Allow max. 14 units in parallel to expand more capacity.			



[www.youth-power.net](http://www.youth-power.net)

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