



SHENZHEN LITU NEW ENERGY TECHNOLOGY CO.,LTD



## PRODUCT SPECIFICATIONS

Product Specification					
Model No.	YP 3U-24100	YP 2U-4850 YP 2U-5150	YP 3U-48100 YP 3U-51100	YP 4U-48100 YP 4U-51100	YP 4U-48200 YP 4U-51200
Voltage	25.6V	48V/51.2V			
Combination	8S1P	15S/16S 1-4P			
Capacity	100AH	50AH	100AH	100AH	200AH
Energy	2.56KWH	2.4KWH/2.56KWH	4.8KWH/5.12KWH	4.8KWH/5.12KWH	9.6KWH/10.24KWH
Weight	27KG	23/28KG	41/45KG	46/49KG	83/90KG
Cell	3.2V 50AH & 100AH UL1642				
BMS	Built - in Battery Management System				
Connectors	Waterproof connector				
Dimension	430*420*133mm	442x480x88mm	480x442x133mm	483x460x178mm	483x680x178mm
Cycles (80% DOD)	6000 cycles				
Depth of discharge	Upto 100%				
Lifetime	10 years				
Standard charge	20A	20A	50A	50A	50A
Standard discharge	20A	20A	50A	50A	50A
Maximum continuous charge	100A	50A	100A	100A	100A
Maximum continuous discharge	100A	50A	100A	100A	100A
Operation temperature	Charge: 0-45°C, Discharge: -20--55°C				
Storage temperature	Keep at -20 to 65°C				
Protection standard	Ip21				
Cut off voltage	single cell at 2.7V				
Max.charging voltage	single cell at 3.65V				
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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