



SHENZHEN LITU NEW ENERGY TECHNOLOGY CO.,LTD



# PRODUCT SPECIFICATIONS

Product Specification			
MODEL	YP ESS3KLV05EU1	YP ESS5KLV10EU1	YP ESS6KLV20EU1
Recommend Max.PV Input Power	8700 Wp	10000 Wp	11000 Wp
Max. PV Voltage		600V	
Min. Operation Voltage / Start-Up Voltage		40V/50V	
Rated PV Input Voltage		360V	
No.of MPPT Strings		2/1	
Max. AC Input Power From Grid	8700V/A	10000VA	11000VA
Rated AC output Power	3680W	5000W	6000W
Max. PV input current		32A(16A/16A)	
Short-circuit current of PV input		40A(20A/20A)	
Max.AC Output Power	3680 VA	5000 VA	6000 VA
Rated AC output current	16 A	21.8 A	26.1 A
Max. AC output current	16.7 A	22.8 A	27.3 A
Rated Grid Frequency		50Hz/60Hz	
Grid Type		Single phase	
Max. Efficiency	97.50%	97.70%	97.70%
European Efficiency	97%	97.30%	97.30%
Protection	DC reverse polarity/ AC short circuit/Leakage/ Battery input reverse polarity		
Surge Protection	DC type II/AC type II		
DC swith(PV)/DC fuse(battery)	Yes		
Battery Input Reverse Polarity Protection	Yes		
Inverter Dimensions (W*H*D)	600*365*180mm		
Weight	About 25kg		
Degree of Protection	Ip65		
Operating Ambient Temperature Range	-25°C~60°C, 0~100%		
Max. Operating Altitude	4000m		
Rated Output Power for Backup Load	6000W		
Rated AC Voltage	220V/230V/240V		
Grid Frequency Range	45-55Hz/55-65Hz		
Battery Model	YP-51100-SP1	YP-51200-SP2	YP-51200-SP2*2
Battery Description	SP1 Series - 1 unit 5KWH Battery Model	SP2 Series - 1 unit 10KWH Battery Model	SP2 Series - 2 unit 10KWH Battery Model
Nominal DC Voltage	51.2V		
Battery Capacity	100Ah	200Ah	400Ah(200Ah*2)
Energy(KWh)	5.12KWh	10.24KWh	20KWh
Single Battery Module Dimension	640*340*205mm	621*550*214mm	621*550*214mm
Maximum Discharging Current	100A Continuous, 120A Peak		
Cycle Life	6000 Cycles (80% DOD)		
Certification	UN38.3,MSDS,CE-EMC, TUV IEC 62133, UL1642, UL1973		
Temperature Range	-20~60°C		
Environment Humidity	0-95%		
System Dimensions (H*W*D)	985*630*205mm	1316*630*214mm	1648*630*205mm
Net Weight (kg)	130kg	180kg	230kg
Communication Method	RS485/Can/WLAN/WIFI/4G		
Grid Connection Certification	CE-LVD;CE-EMC;EN50549;1/CEI-021;VDE4105/0124; G99;IEC61727/62116/61683;NA/EEA-NE7-CH2020;		



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