



SHENZHEN LITU NEW ENERGY TECHNOLOGY CO.,LTD



PRODUCT SPECIFICATIONS

Battery Specifications

Model	YP-ESS6KH 1NA	YP-ESS8KH 1NA	YP-ESS10KH 1NA	YP-ESS12KH 1NA	
PV INPUT (DC)					
Maximum PV Input Power(KW)	7.8	10.4	13	15.6	
Max. PV voltage	500V				
MPPT maximum Input Current	12A*4				
MPPT Voltage Range	125-500V				
Number of MPP Trackers	4/1				
AC side output					
Max. output power(KVA)	6	8	10	12	
Max. output current(A)(AC)	27.3	36.4	45.4	50	
Nominal voltage/range	240/211-264				
AC Output Frenquecny	50/60HZ				
PF	0.8cap~0.8ind				
Output THDI	<3%				
Grid Type	L+N+PE				
EPS output					
Rate AC Output Power	6	8	10	12	
Rated grid voltage (V)	220-240/110-120(External split-phase transformer)				
AC Output Frenquecny	50/60HZ				
Automatic switchover time	=20ms				
Output THDI	=2%				
Overload capacity	110%.60S/120%.30s/150%.10s				
General Data					
CE Efficiency (%)	97.2%				
Maximum efficiency (%)	98.2%				
Standby power consumption (W)	=2.5W(=5Wwith battery)				
Cooling	Natural cooling				
Noise emission(dB)	=25dB			=29dB	
Safety certification	UL1741SA all options,UL1699B,CAS22.2				
Grid connection certification	IEEE1547,IEEE2030.5,Hawaii Rules 14H,Rule21PhaseI,II,III				
Battery parameters					
Nominal DC Voltage	204.8V	256V	307.2V	358.4V	409.6V
Battery Capacity	100Ah				
Energy(KWh)	20.48	25.6	30.72	35.84	40.96
Maximum Discharging Current	50A				
Cycle Life	4000Cycles(80% DOD)				
Certification	UN38.3,MSDS,UL1973(Cell),IEC62619(Cell)				
System General Data					
Temperature range	20 ~ 60°C				
Environment humidity	0-95%				
Dimensions (H*W*D) mm	1170*830*547	1340*830*547	1510*830*547	1680*830*547	1850*830*547
Net Weight (kg)	280	325	370	420	470
Communication method	WIFI/4G				



www.youth-power.net

Email : sales@youth-power.net