



SHENZHEN LITU NEW ENERGY TECHNOLOGY CO.,LTD



PRODUCT SPECIFICATIONS

Battery Specifications

Model(Inverter)	YP-ESS8KH 3E	YP-ESS10KH 3E	YP-ESS12KH3E		
PV INPUT (DC)					
Maximum PV Input Power	10.4KW	13KW	15.6KW		
Max. PV voltage	1000V				
MPPT maximum Input Current	12.5A*2				
MPPT Voltage Range	180~850				
Number of MPP Trackers	2/1				
AC side output					
Max. output power	8.8KW	11KW	13.2KW		
Max. output current(AC)	12.7A	15.9A	19.1A		
Nominal voltage/range	400/360-400				
AC Output Frenquecny	50/60Hz				
PF	0.8cap~0.8ind				
Output THDI	<3%				
Grid Type	3W+N+PE				
EPS output					
Rate AC Output Power	8.8KW	11KW	13.2KW		
Rated grid voltage (V)	400V				
AC Output Frenquecny	50/60Hz				
Automatic switchover time	=20ms				
Output THDI	=2%				
Certification	CE ,TUV				
Overload capacity	110%,60S/120%,30s/150%,10s				
General Data					
MPPT efficiency (%)	99.50%	99.50%	99.50%		
CE Efficiency (%)	97.20%	97.50%	97.50%		
Maximum efficiency (%)	97.90%	98.20%	98.20%		
Battery charge/discharge efficiency (%)	96.60%	96.70%	96.80%		
Standby power consumption (W)	=3W				
Noise emission(dB)	35dB				
Battery parameters					
Nominal DC Voltage	204.8	256	307.2	358.4	409.6
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				



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