

YouthPOWER

Technical Indicator

Balcony Solar ESS

This product is a split energy storage system, including the inverter main unit and battery capacity pack (the battery capacity pack supports expansion).

The system includes 1 AC inverter board, 1 DC main control board, 1 battery protection board, 1 PV board, 1 3100Wh battery pack, 2 DC inputs, 2 QC3.0 outputs, 2 Type C outputs, 1 car charger output and 4 AC outputs.



Plug and play



Supports dim-light charging



Portable power station of the family



Simultaneous charging & discharging



Supports fast-charging by grid power



Expandable to up to 6 units

Technical Indicator

Model	YPE2500W YPE3KW	YPE2500W YPE3KW*2	YPE2500W YPE3KW*3	YPE2500W YPE3KW*4	YPE2500W YPE3KW*5	YPE2500W YPE3KW*6
Capacity	3.1KWh	6.2KWh	9.3KWh	12.4KWh	15.5KWh	18.6KWh
Battery Type	LMFP					
Cycle Life	3000 times (80% left after 3000 times)					
AC Output	EU Standard 220V/15A					
AC Charging Time	2.5 hours	3.8 hours	5.6 hours	7.5 hours	9.4 hours	11.3 hours
DC Charging Power	Maximum supports 1400W, supports changing by solar charging (with MPPT, weak light can be charged), car charging, wind charging					
DC Charging Time	2.8 hours	4.7 hours	7 hours	9.3 hours	11.7 hours	14 hours
AC+DC Charging Time	2 hours	3.4 hours	4.8 hours	6.2 hours	7.6 hours	8.6 hours
Car Charger Output	12.6V10A, Supports for inflatable pumps					
AC Output	4*120V/20A,2400W/ peak value5000W					
USB-A Output	5V/2.4A	5V/2.4A	5V/2.4A	5V/2.4A	5V/2.4A	5V/2.4A
QC3.0	2*QC3.0	3*QC3.0	4*QC3.0	5*QC3.0	6*QC3.0	7*QC3.0
USB-C Output	3*PD100W	4*PD100W	5*PD100W	6*PD100W	7*PD100W	8*PD100W
UPS Function	With UPS function, switching time less than 20mS					
LED Lighting	1*3W	2*3W	3*3W	4*3W	5*3W	6*3W
Weight (Host/Capacity)	9kg /29kg	9kg /29kg *2	9kg /29kg*3	9kg /29kg*4	9kg /29kg *5	9kg /29kg *6
Dimensions (L*W*Hmm)	448*285*463	448*285*687	448*285*938	448*285*1189	448*285*1440	448*285*1691
Certification	RoHS,SDS,FCC,UL1642,ICES,NRCAN,UN38.3,CP65,CEC,DOE,IEC62133,TSCA, IEC62368,UL2743,UL1973					
operating Temperature	-20~40°C					
Cooling	Natural air cooling					
Operating Altitude	≤3000m					