



Battery+hub



Ess

YouthPOWER Balcony Solar ESS 2.5KWH

- Support for AC coupling in balcony microinverter system.
- High and low voltage isolation topologies, ensuring personal safety.
- Fanless design for ultra-quiet operation.
- UPS-level switching time <10ms.
- 24-hour intelligent energy management system

Battery+hub		ESS	
Model name	YP11-2KWH-hub	Model Name	YP12-2KWH
Battery modules	1	Battery modules	1
Rated energy	2.5KWH	Rated energy	2.5KWH
Rated battery voltage	51.2V	Rated battery voltage	51.2V
Max charging power to battery	1600W	Inverter on-grid power	800W
Max. PV input power (W)	800W*2	Nominal AC voltage	230 Vac 50HZ
PV input voltage range	12-60V	Inverter off-grid power	1200W
Max. output power (W)	800W*2	Inverter output voltage	230 Vac 50HZ
Output voltage range	18-55V	MPPT Operating Voltage Range	12-60V
Communication	RS485/CAN	Max.PV input power	600W * 2
Operating temperature	-10-50	Operating temperature	-10-50
IP grade	IP65	IP grade	IP65
Certification	UN38.3/ IEC62619 (on going)	Certification	CE/ UN38.3/ IEC62619 (on going)