

PowerHI

PowerHI is specially designed for balcony and residential energy storage. Maximum expandable to 6 batteries up to 15.36kWh, 10 years warranty. High protection level of IP65, high safety performance, effortless installation make it suitable for a variety of settings, including rooftop, home, apartment balcony, portable and garden.



Flexible Expansion

Expandable to 6 batteries
up to 15.36kWh



Minimalist O&M

Modular design, 5-minute
troubleshooting, plug&play



IP65 Protection

Fearless of outdoor installation,
strong environmental adaptability



Long-term reliability

LFP cells, 8000+ cycles,
10 years warranty



Automatic Self-heating

-20°C to 55°C operating
temperature (optional)

Model	PowerHI
PV Input	
Max.input power	600W×2
Operating voltage range	12V–60V
Maximum input voltage	60V
MPPT voltage range	12V–48V
Maximum input continuous current	17A×2
Number of MPPT channel	2
On-grid Port	
Nominal output apparent power	800VA
Max. output apparent power*	1200VA
Grid type	Single-phase
Nominal AC voltage	230V
Nominal AC frequency	50Hz
Nominal output current	5.22A
Off-grid Port	
Max. output apparent power	1200VA
Peak output apparent power	1800VA, 10s
Grid type	Single-phase
Nominal AC voltage	230V
Nominal AC frequency	50Hz
Max. output current	5.22A
Battery General	
Battery Type	LiFePO ₄
Single Cell Rated Energy	2.56kWh
Rated Voltage	51.2V
Cycle Life**	≥8000 cycles
Max. Charge Curruct	40A
Max Continuous Discharging Power	1200W
Peak Discharge Power	1800W,10s
Communcation Ports	CAN
Max. Expansion Modular	6
Inverter General	
Weight	8kg
Maximum Efficiency	96.20%
Cooling	Natural
Overvoltage Category	OVC II For PV and Battery Input Circuit, OVC III
Communication	Built-in Wi-Fi and Bluetooth
Safety,EMC&Grid Compliances	EN 62109-1/-2; EN 62477-1; EN IEC 61000-6-1/-2/-3/-4; EN 62920; VDE-AR-N 4105
Expansion Battery Parameter	
Protection degree	IP65
Charge Temperature	0–55°C/–20–55°C(optional)
Discharge Temperature	–20–55°C
Dimension (W×H×D mm)	480/187/360
Weight	29kg
Certification	UN38.3/IEC62619/CE-EMC

*Max. output power 800 W, required for Germany

** Test conditions: 0.2C Charging& Discharging, @25°C, 95% DOD

