

# PWH-1P3K-LV

3kW 120V Output High Frequency Off-grid Inverter



## FEATURES

- Pure sine wave output.
- Built-in MPPT with range of 120 to 250Vdc.
- Operate in both battery-based and battery-less modes.
- Scalable by up to 6 units in parallel.
- WiFi / GPRS remote monitoring.
- Create a 120V / 240V split-phase system by 2 units parallelly wired.

## Power Wave

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INVERTER OUTPUT	
Rated power	3000W
Rated voltage / AC voltage range	110V / 100V to 120V
Rated frequency	50Hz / 60Hz
Rated surge power	6000W
Peak efficiency	90%
Transfer time	10ms typically, 20ms maximum
Waveform	Pure sine wave
SOLAR CHARGER	
Maximum solar charge current	80A
Maximum PV array power	4000W
Maximum PV array open circuit voltage	250V
MPPT operating voltage range	120V to 250V
AC INPUT	
Rated grid voltage / AC voltage	120V
Maximum grid voltage / AC voltage	150V
Rated grid frequency / permitted frequency	50Hz / 60Hz (Auto sensing)
Maximum charge current	40A
BATTERY INPUT	
Rated input voltage	48V
Battery type	Lithium / Lead-acid
GENERAL DATA	
Dimensions (W / H / D)	330mm / 500mm / 150mm
Weight	11.5 kg
Maximum parallel units (ONLY with battery)	6
Operating temperature range	0°C to +50°C
Storage temperature range	-15°C to +60°C
Humidity range	5% to 95% (Non-condensing)
Communication interface	USB / CAN / RS485
Monitoring option	WiFi / GPRS