



4 HOUR BACKUP



FAN x 4



LED T.V



MULTIPLE  
LIGHTS

# ALL IN ONE HOME ENERGY SOLUTION

## POWEROX-PO1640

**HYBRID INVERTER WITH  
BUILT-IN BATTERY**

Experience uninterrupted energy with advanced hybrid technology designed for modern homes and businesses.

# SPECIFICATIONS SHEET

Model

PO1640

## Battery

Total Energy	4.02kwh
Battery Cycle Life	25°C , 0.5: > 8000 cycles, @80%EOL
Sleep Power Consumption	≤ 300μA
Charging Method	Constant-current constand-voltage charging
Working Temperature range.	-20-60°C
working Attitude	1000 meters (rated). Operation above 4000 meters is strictly prohibited.
working Humidity	20-95%
Short-Circuit Protectio	YES
Communication Method	RS485

## Inverter

Output Power	1.6KVA (Peak 3KVA)
Output Wiring Mode	L+N+PE
Output Voltage	230V
Output Frequency	50/60Hz ±0.1%
Conversation Efficiency	91%(Battery mode)
Switching time	10ms (UPS mode), 20ms (generator mode)
waveform	Sine wave
Standby power consumption	≤ 25W
Input Wiring Mode	L+N+PE
Input Voltage	230VAC
Input Frequency	50/60Hz ± 0.1%
Voltage Range	170~280Vac
PV Maximum Open-Circuit Voltage	450V
AC Charging Current	2-100A (default 30A)
MPPT Tracking Range	40-400V
MPPT Tracking Efficiency	99.55% max
MPPT Maximum Input Power	3000W
PV Minimum Activation Voltage	40V
Maximum PV Charging Current	100A

## General

Protection Rating	IP20
Operating Ambient Temperature	-10 to 60°C
Altitude	≤ 1000m, derating above 2000m, maximum 4000m
Display Screen	LCD keypad display
Dimensions (L x W x H)	418 x 190 x 600 mm

\*1 Charge discharge rates are changed with ambient temperature, For more details please check with VES service team

\*2 Cycle life is defined based on specific operation conditions, 1 Cycle per day, constant 25 degree C ambient, 0.5C, 70% SOH



ISO-45001



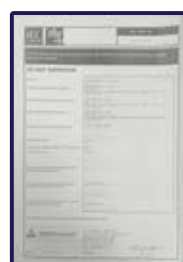
ISO-9001



ISO-14001



CE



IEC-62619



MH-63503



MH-62190