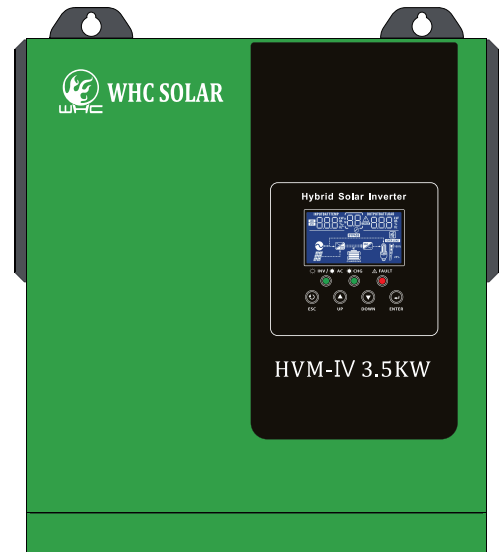




Features

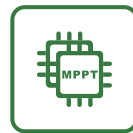
- Battery Wake-up Function
- Pure Sine Wave
- PV Input 500Vdc Max
- Built-in MPPT 60A-100A
- Detachable dust cover for harsh environment
- Wifi remote monitoring optional
- Support multiple output priority: UTL,SOL,SBU,SUB
- EQ function to optimize battery performance and extend lifecycle



Battery
Wake-up Function



Output
Multiple Priority



MPPT



PV 30-500Vdc



Anti-shock
design terminal



High Efficiency

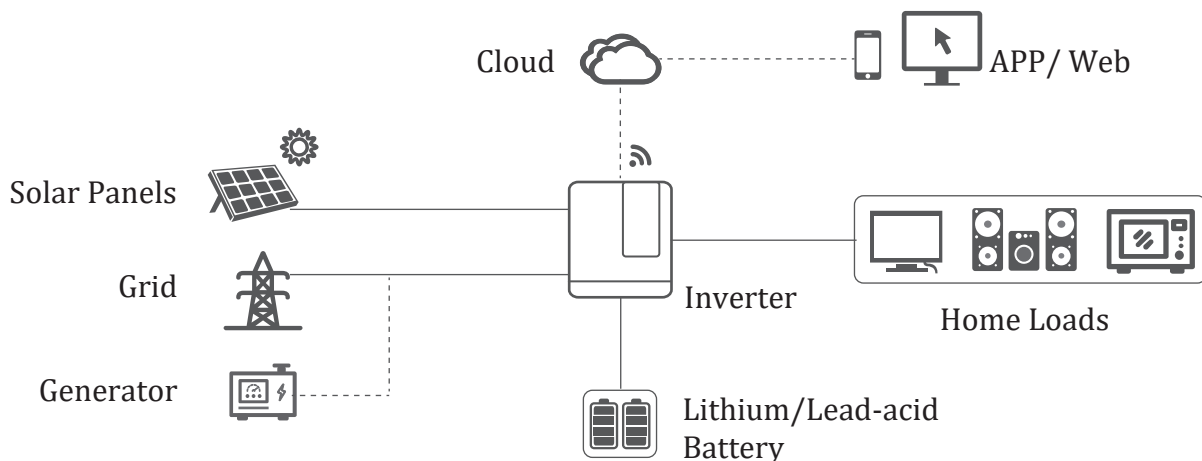


Pure sine wave



WiFi

System Diagram





Specifications

Model	HVM-IV 3.5KW
Capacity	3500VA/3500W
Parallel Capability	NO
Lithium Battery Activation	NO
BatteryWake-up Function	YES
INPUT	
Nominal Voltage	230VAC
Acceptable Voltage Range	170-280VAC(For personal Computer);90-280VAC(For Home Appliances)
Frequency	50/60 Hz (Auto sensing)
OUTPUT	
Nominal Voltage	220/230VAC+5%
Surge Power	7000VA
Frequency	50/60 Hz
Waveform	Pure Sine wave
Transfer Time	10ms(For personal Computer);20ms(For Home Appliances)
Peak Efficiency (PV to INV)	96%
Peak Efficiency (Battery to INV)	93%
Overload Protection	5s@>=140% load; 10s@100%~140% load
Crest Factor	3:1
Admissible Power Factor	0.6~1(inductive or capacitive)
BATTERY	
Battery Voltage	24Vdc
Floating Charge Voltage	27Vdc
OverCharge Protection	28.2Vdc
Charging Method	CC/CV
SOLAR CHARGER & AC CHARGER	
Solar Charger TYPE	MPPT
Max.PV Array Power	4000W
Max.PV Array Open Circuit Voltage	500VDC
PV Array MPPT Voltage Range	30VDC~500VDC
Max.Solar input Current	15A
Max.Solar Charge Current	100A
Max.AC Charge Current	60A
Max.Charge Current(AC+PV)	100A
PHYSICAL	
Dimensions,D*W* H(mm)	330*278*98
Package Dimensions, D*W*H(mm)	400*365*174
Net Weight (Kgs)	4.4
Communication interface	RJ45 For WiFi
ENVIRONMENT	
Operating Temperature Range	-10°C to 55°C
Storage temperature	-15°C~ 60°C
Humidity	5% to 95% Relative Humidity (Non-condensing)