HVM-11KW(Hybrid Inverter)

Features

- Built-in 2 MPPT
- Lithium Battery Activation Function By PV Or Utility
- Compatible Work With LiFePO4 Battery Via RS485
- Pure Sine Wave
- Powerfactor 1.0
- PV Input 500Vdc Max
- Built-in MPPT140A/160A
- Capable To Work Without Battery
- 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

Pure Sine Wave

PV 60-500Vdc

WIFI Optional

Dual MPPT

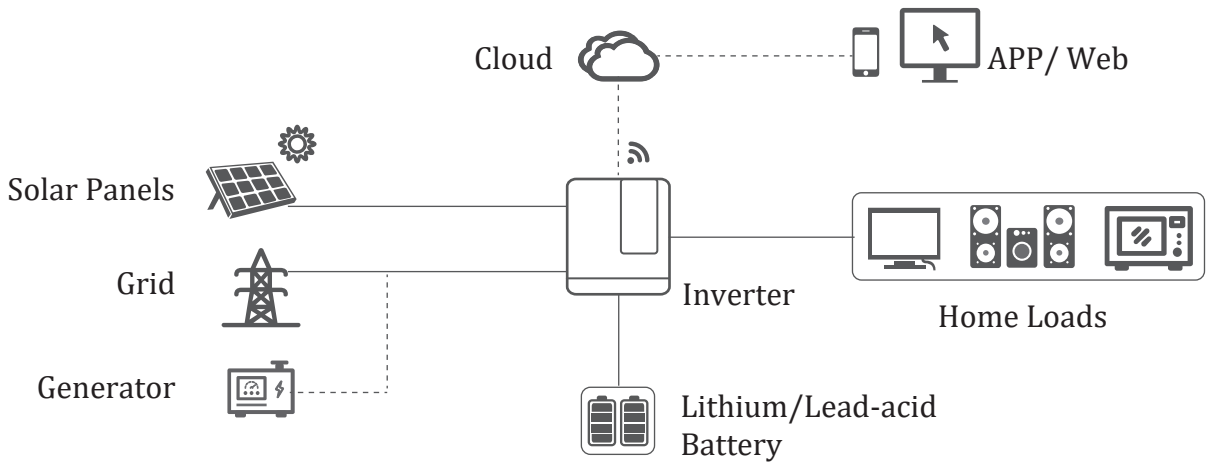
PF=1.0

Anti-Shock Design Terminal

Lithium Battery Activation

RS232 RS485

System Diagram



Specifications

Model	HVM-11KW
Capacity	11KVA/11KW
Maximum PV input Power	11KW
Parallel Capability	NO
Lithium Battery Activation	YES(By PV Or Utility)
Lithium Battery Communication	YES(RS485)
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	220/230/240VAC
Surge Power	22000VA
Frequency	50/60 Hz
Waveform	Pure Sine wave
Transfer Time	10ms(For personal Computer);20ms(For Home Appliances)
Peak Efficiency	94%
Overload Protection	5s@>=140% load; 10s@101%~140% load
Admissible Power Factor	0.6~1(inductive or capacitive)
Grid-tie Operation	NO
BATTERY	
Battery Voltage	48Vdc
Maximum Discharge Current	220A
Floating Charge Voltage	54Vdc
OverCharge Protection	63Vdc
Charging Method	CC/CV
SOLAR CHARGER & AC CHARGER	
Solar Charger TYPE	MPPT
Max.PV Array Power	5500W*2
Max.PV Array Open Circuit Voltage	500VDC
PV Array MPPT Voltage Range	60VDC~500VDC
Max.Solar input Current	18A*2
Max.Solar Charge Current	160A
Max.AC Charge Current	120A
Max.Charge Current	160A
PHYSICAL	
Dimensions,D*W* H(mm)	540*415*122
Net Weight (Kgs)	15
Communication interface	RS232/RS485/DRY CONTACT
LCD	YES
ENVIRONMENT	
Operating Temperature Range	-10°C to 55°C
Storage temperature	-15°C~ 60°C
Humidity	5% to 95% Relative Humidity (Non-condensing)