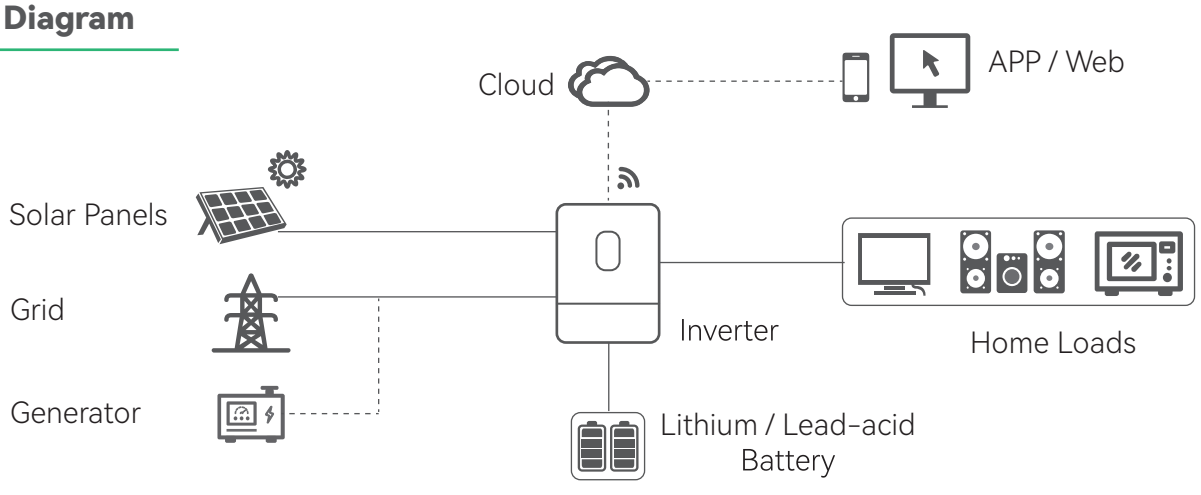
Single Phase Off-grid Inverter

MAXHUB

PV15000-48 S12.0

- Built-in 160A Solar Charger
- Wide PV Input Voltage Range 60-500V
- Dual MPPTs Input
- 45A MAX PV Input
- DUAL Dual AC Out
- BMS Support Lithium/ Lead-acid Battery
- Lithium Battery Activation
- 5 Inch Display
- Feed-in to Grid
- WiFi Monitoring(optional)

System Diagram



Specifications

Model	PV15000-48 S12.0
AC Input	
Rated Input Voltage (VAC)	220/230/240; L+N+PE
Voltage Range (VAC)	90~280±3 (normal mode); 170~280±3 (UPS mode)
Frequency (Hz)	50/60(Auto Adaptive)
AC Output	
Rated Capacity (kW)	12
Surge Power (kVA)	24
Voltage (VAC)	220/230/240
Power Factor (PF)	1
Frequency	50/60Hz±0.1%
Switch Time (ms)	10(APP/UPS mode), 20(GEN mode)
Wave Form	Pure Sine Wave
Overload Capacity (Battery Mode)	1min@102%~125%Load 10s@＞125%Load
Max. Efficiency (Battery Mode)	94%@48VDC
Parallel Quantity	NA
Charger (PV / AC)	
Solar Charger Type	Dual MPPTs
Max. PV input Current / Input Power	Using One MPPT: 27A/9KW Using Two MPPTs: 22.5A/Per MPPT, 15kW/Total
MPPT Range@Operating Voltage (VDC)	60-450
Max. PV Open Circuit Voltage (VDC)	500
Max. PV Charge Current (A)	160
Max. AC Charge Current (A)	160
Max. Charge Current (PV + AC) (A)	160
Battery	
Rated Voltage (VDC)	48
Floating Charge Voltage (VDC)	54
Overcharge Protection (VDC)	61
Battery	Lithium and Lead-acid
Interface	
HMI	LCD
Interface	RS232 / RS485 / CAN
Monitoring	WiFi (built-in)
General Data	
Ingress Protection	IP21
Operating Temperature	-10 ℃~60℃
Relative Humidity	5%～95% (Non-condensing)
Storage Temperature	-15℃~60℃
Net Weight (kg)	15
Dimensions (H*W*D)	495*425*120
Max. Operating Altitude	4000m(Derating above 1000m)