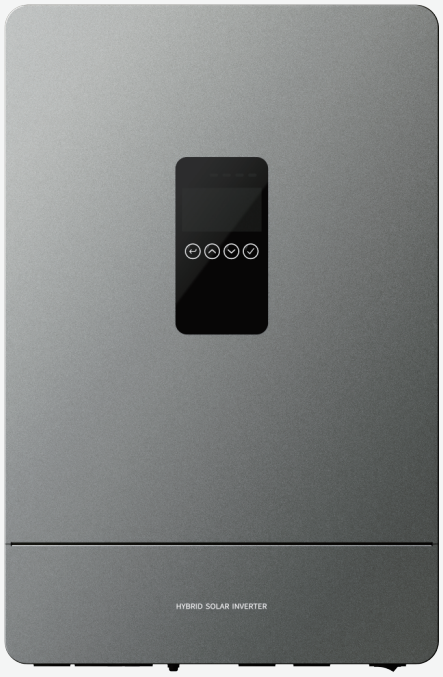
Single Phase Off-grid Inverter

MAXHUB

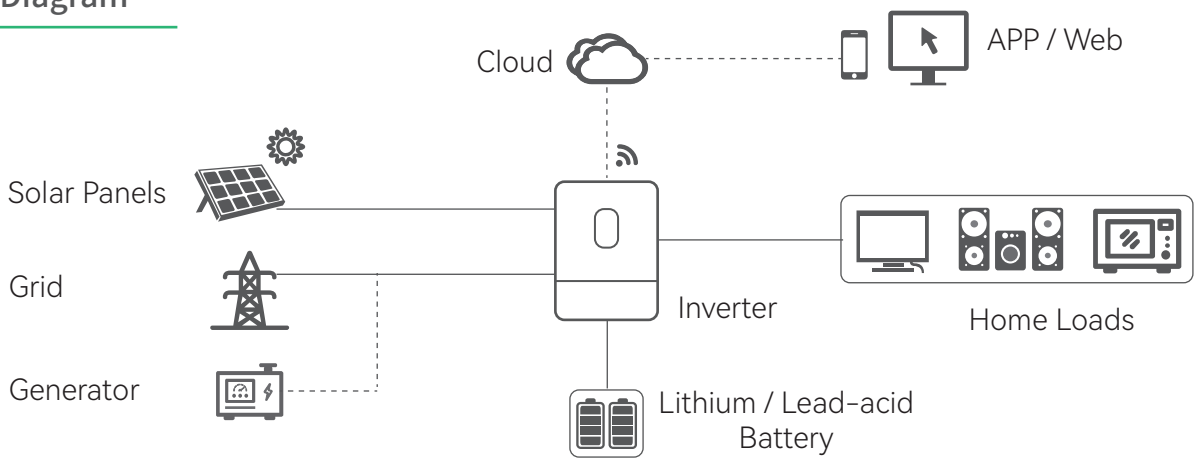


PV9000-48

- Built-in 120A Solar Charger
- Wide MPPT Range 60-500V
- 28A MAX PV Input
- Dual AC In & Dual AC Out*
- 9 Inverters in Parallel
- BMS Support Lithium/ Lead-acid Battery
- Lithium Battery Activation
- Noise Control Algorithm
- WiFi Monitoring
- Feed-in to Grid

System Diagram

*Extra interface can be selected as in or out. It cannot support at the same time.



Specifications

Model	PV9000-48
AC Input	
Rated Input Voltage (VAC)	208 / 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)	6
Surge Power (kVA)	12
Voltage (VAC)	208 / 220 / 230 / 240
Power Factor (PF)	1
Frequency	50/60Hz±0.1%
Switch Time (ms)	10 (normal mode) / 10 (UPS mode)
Wave Form	Pure Sine Wave
Overload Capacity (Battery Mode)	10min@102%~120%Load, 1min@120%~150%Load 10S@150%~200%Load, 5s@>200%Load
Max. Efficiency (Battery Mode)	93%@48VDC
Parallel Quantity	9
Charger (PV / AC)	
Solar Charger Type	MPPT
Max PV Input Current / Input Power	28A / 9000W
MPPT Range@Operating Voltage (VDC)	60~450
Max PV Open Circuit Voltage (VDC)	500
Max PV Charge Current (A)	120
Max AC Charge Current (A)	120
Max. Charge Current (PV + AC) (A)	120
Battery	
Rated Voltage (VDC)	48
Floating Charge Voltage (VDC)	54
Overcharge Protection (VDC)	61
Battery Type	Lithium and Lead-acid
Interface	
HMI	LCD
Interface	RS485 / USB / Dry Contact / CT / Meter /
Monitoring	WiFi (Optional)
General Data	
Ingress Protection	IP21
Operating Temperature	-10 ℃ ~ 50 ℃
Relative Humidity	5% ~ 95% (Non-condensing)
Storage Temperature	-15 ℃ ~ 60 ℃
Net Weight (kg)	10
Dimensions (W*H*D)	508*338*136.5mm
Max. Operating Altitude	4000m (Derating above 1000m)