

Single Phase Off-grid Inverter



PV5000-24 S3.6(D)



Built-in 100A
Solar Charger



Wide PV Input Voltage
Range 40-500V



Feed-in
to Grid

DUAL

Dual AC
Output

BMS

Support Lithium/
Lead-acid Battery



Lithium Battery
Activation

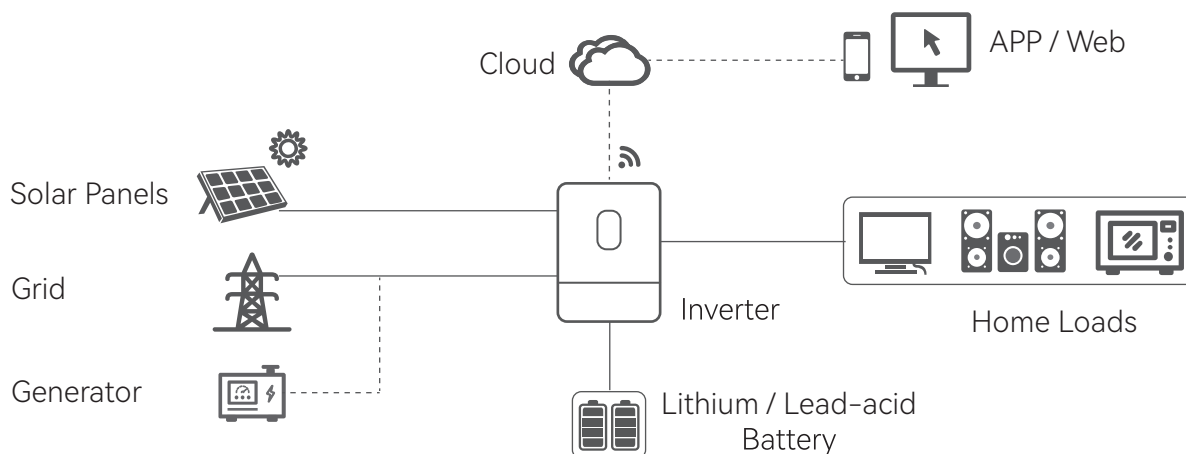


Detachable
Dust Cover



WiFi
Monitoring(optional)

System Diagram



Model	PV5000-24 S3.6(D)
AC Input	
Rated Input Voltage (VAC)	208 / 220 / 230 / 240; L + N + PE
Voltage Range (VAC)	90~280 (APP/GEN mode); 170~264 (UPS mode)
Frequency (Hz)	50 / 60 (Auto Adaptive)
AC Output	
Rated Capacity (kVA/kW)	3.6
Surge Power (kVA)	7.2
Voltage (VAC)	208 / 220 / 230 / 240
Power Factor (PF)	1
Frequency (Hz)	50 / 60
Switch Time (ms)	10 (APP/UPS mode) / 20 (GEN mode)
Wave Form	Pure Sine Wave
Overload Capacity (Battery Mode)	1min@102%~110% load; 10s@110%~130% load; 3s@130%~150% load; 0.2s@150%~200% load
Max. Efficiency (Battery Mode)	92.7%@24VDC
Parallel Quantity	NA
Charger (PV / AC)	
Solar Charger Type	MPPT
Max. PV input Current (A) / Input Power (W)	18 / 5000
MPPT Range@Operating Voltage (VDC)	40 - 450
Max. PV Open Circuit Voltage (VDC)	500
Max. PV Charge Current (A)	100
Max. AC Charge Current (A)	100
Max. Charge Current (PV + AC) (A)	100
Battery	
Rated Voltage (VDC)	24
Max. Charging Current (A)	100
Max. Discharging Current (A)	150
Battery Type	Lithium / Lead-acid
Interface	
HMI	LCD
Interface	RS485 / CAN / RS232
Monitoring	WiFi (optional/built-in/external)
General Data	
Ingress Protection	IP54
Operating Temperature (°C)	-10 ~ 60
Relative Humidity	5% ~ 95% (Non-condensing)
Storage Temperature (°C)	-15 ~ 60
Net Weight (kg)	6.2
Dimensions (HxWxD) (mm)	420x284x94 (without bracket)
Max. Operating Altitude (m)	4000 (Derating above 2000)