

Single Phase Off-grid Inverter



PV800-12 S1.2



Built-in 50A
Solar Charger



PV Input Voltage
Range 17-115V



Pure Sine Wave

LCD

LCD Display

BMS

Support Lithium/
Lead-acid Battery



Lithium Battery
Activation

PF

Power Factor 1.0

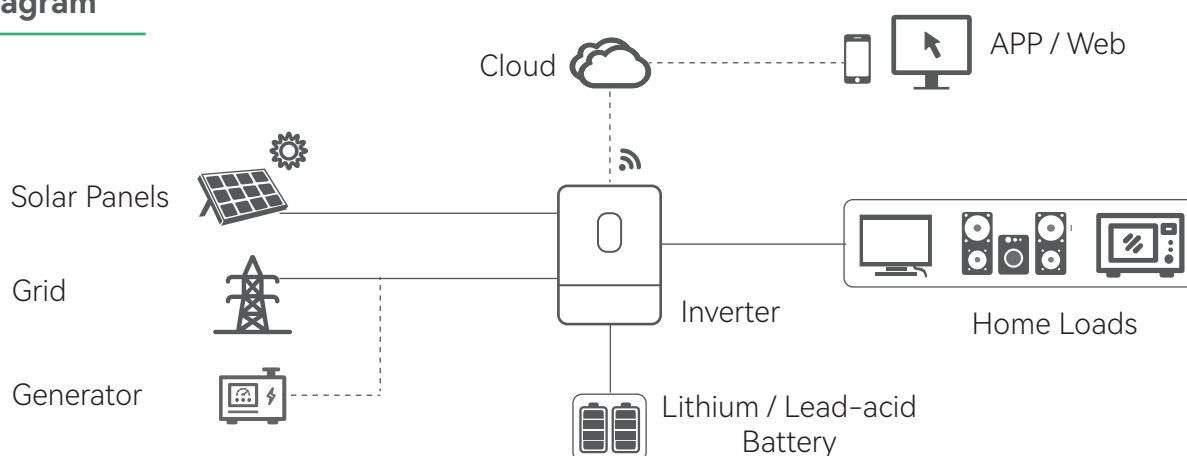


Detachable
Dust Cover



WiFi
Monitoring(optional)

System Diagram



Specifications

Model	PV800-12 S1.2
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)	1.2
Surge Power (kVA)	2.4
Voltage (VAC)	208 / 220 / 230 / 240
Power Factor (PF)	1
Frequency (Hz)	50 / 60
Switch Time (ms)	10 (APP/UPS/GEN mode)
Wave Form	Pure Sine Wave
Overload Capacity (Battery Mode)	1min@102%-120% load, 10s@120%-200% load
Max. Efficiency (Battery Mode)	90%@12VDC
Parallel Quantity	NA
Charger (PV / AC)	
Solar Charger Type	MPPT
Max. PV input current (A) / Input power (W)	18 / 800
MPPT Range@Operating Voltage (VDC)	17 - 115
Max. PV Open Circuit Voltage (VDC)	115
Max. PV Charge Current (A)	50
Max. AC Charge Current (A)	50
Max. Charge Current (PV + AC) (A)	100
Battery	
Rated Voltage (VDC)	12
Max. Charging Current (A)	100
Max. Discharging Current (A)	110
Battery Type	Lead-acid / Lithium
Interface	
HMI	LCD
Interface	RS232 / RS485 (optional) / CAN (optional)
Monitoring	WiFi (optional/built-in/external)
General Data	
Ingress Protection	IP21
Operating Temperature (°C)	-10 ~ 60
Relative Humidity	5% - 95% (Non-condensing)
Storage Temperature (°C)	-15 ~ 60
Net Weight (kg)	3.5
Dimensions (H*W*D) (mm)	301*217*97 (without bracket)
Max. Operating Altitude (m)	4000 (Derating above 2000)
Activation	
AC Activation	YES
PV Activation	YES

Single Phase Off-grid Inverter



PV3000-12 S2.0



Built-in 100A
Solar Charger



Wide PV Input Voltage
Range 30-400V

DUAL

Dual AC Out



Feed-in
to Grid

BMS

Support Lithium/
Lead-acid Battery



Lithium Battery
Activation



Detachable
Dust Cover

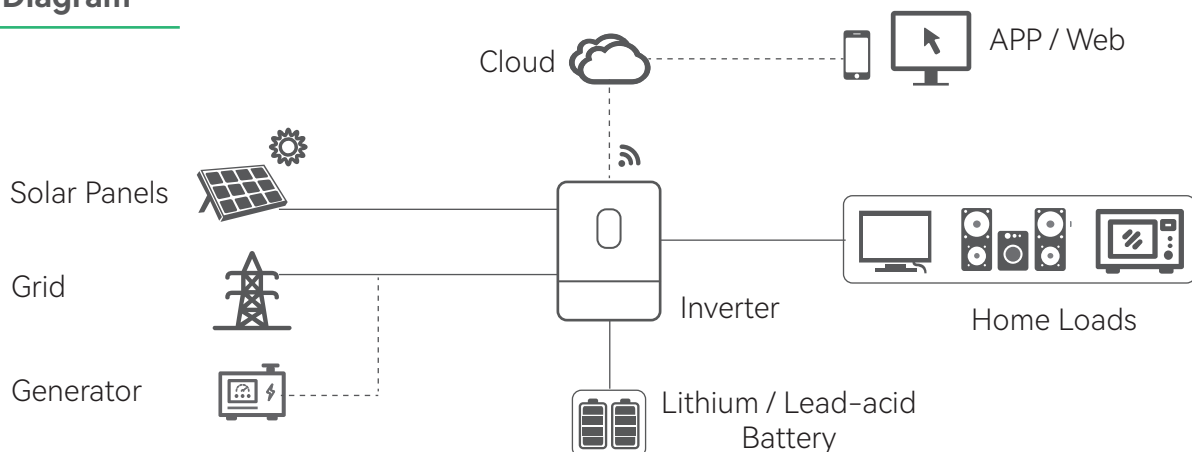


WiFi
Monitoring(optional)



Support Meter/CT
Connection(optional)

System Diagram



Specifications

Model	PV3000-12 S2.0
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)	2
Surge Power (kVA)	4
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 (PV+Battery mode / PV mode)	long term@102%-125% load, 10s@125%-250% load
Max. Efficiency (Battery Mode)	91%@12VDC
Parallel Quantity	NA
Charger (PV / AC)	
Solar Charger Type	MPPT
Max. PV input Current (A) / Input Power (W)	18 / 3000
MPPT Range@Operating Voltage (VDC)	30 - 400
Max. PV Open Circuit Voltage (VDC)	450
Max. PV Charge Current (A)	100
Max. AC Charge Current (A)	100
Max. Charge Current (PV + AC) (A)	100
Battery	
Rated Voltage (VDC)	12
Max. Charging Current (A)	100
Max. Discharging Current (A)	150
Battery Type	Lithium / Lead-acid
Interface	
HMI	LCD
Interface	RS485 / CAN / RS232 / CT(optional) / Meter (optional)
Monitoring	WiFi (optional/built-in/external)
General Data	
Ingress Protection	IP21
Operating Temperature (°C)	-10 ~ 60
Relative Humidity	5% ~ 95% (Non-condensing)
Storage Temperature (°C)	-15 ~ 60
Net Weight (kg)	4.5
Dimensions (H*W*D) (mm)	331*270*100 (without bracket)
Max. Operating Altitude (m)	4000 (Derating above 2000)

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

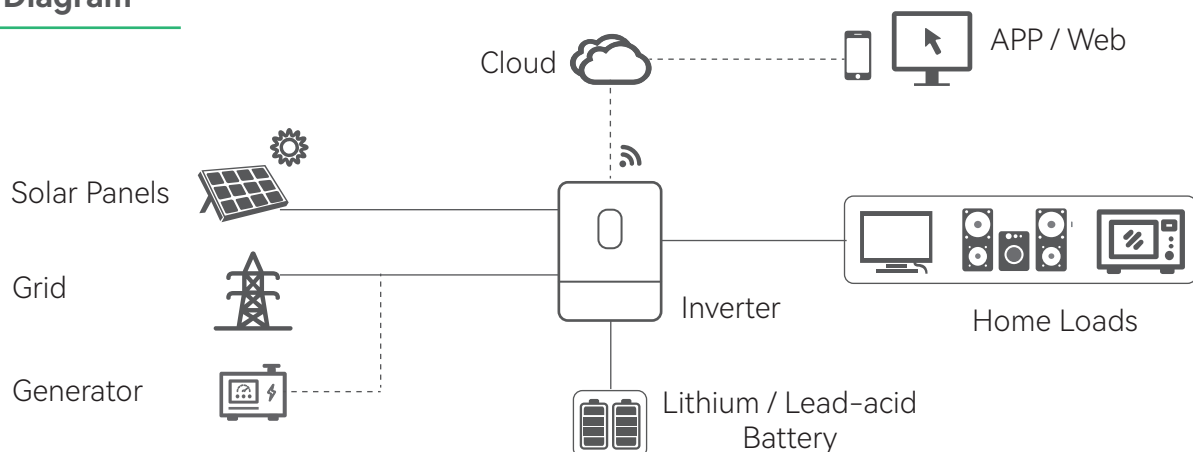


Detachable
Dust Cover



WiFi
Monitoring(optional)

System Diagram



Specifications

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%-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	IP21
Operating Temperature (°C)	-10 ~ 60
Relative Humidity	5% ~ 95% (Non-condensing)
Storage Temperature (°C)	-15 ~ 60
Net Weight (kg)	6.2
Dimensions (H*W*D) (mm)	420*284*94 (without bracket)
Max. Operating Altitude (m)	4000 (Derating above 2000)

Single Phase Off-grid Inverter



PV9000-24 S5.0



Built-in 160A
Solar Charger



Wide PV Input Voltage
Range 60-500V



27A
MAX PV Input

DUAL

Dual AC Out



5 Inch Display

BMS

Support Lithium/
Lead-acid Battery



Lithium Battery
Activation

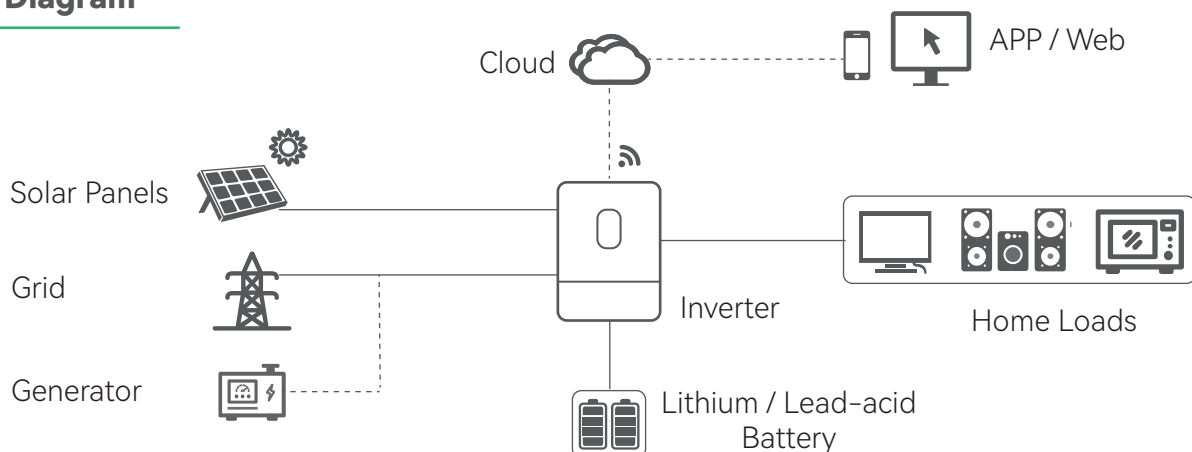


Feed-in
to Grid



WiFi
Monitoring(optional)

System Diagram



Specifications

Model	PV9000-24 S5.0
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)	5
Surge Power (kVA)	10
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 (PV+Battery mode / PV Mode)	1min@102%-120%load, 10s@120%-200% load
Max. Efficiency (Battery Mode)	93.5%@24VDC
Parallel Quantity	NA
Charger (PV / AC)	
Solar Charger Type	MPPT
Max. PV Input Current (A) / Input Power (W)	27 / 9000
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)	24
Max. Charging Current (A)	160
Max. Discharging Current (A)	190
Battery Type	Lithium / Lead-acid
Interface	
HMI	LCD
Interface	RS232 / RS485 / CAN
Monitoring	WiFi (optional/built-in/external)
General Data	
Ingress Protection	IP21
Operating Temperature (°C)	-10 ~ 60
Relative Humidity	5% ~ 95% (Non-condensing)
Storage Temperature (°C)	-15 ~ 60
Net Weight (kg)	8.4
Dimensions (H*W*D) (mm)	410*336*110 (without bracket)
Max. Operating Altitude (m)	4000 (Derating above 2000)

Single Phase Off-grid Inverter



PV9000-48 S6.5



Built-in 120A
Solar Charger



Wide PV Input Voltage
Range 60-500V



27A
MAX PV Input

DUAL

Dual AC Out

BMS

Support Lithium/
Lead-acid Battery



Lithium Battery
Activation



Feed-in
to Grid

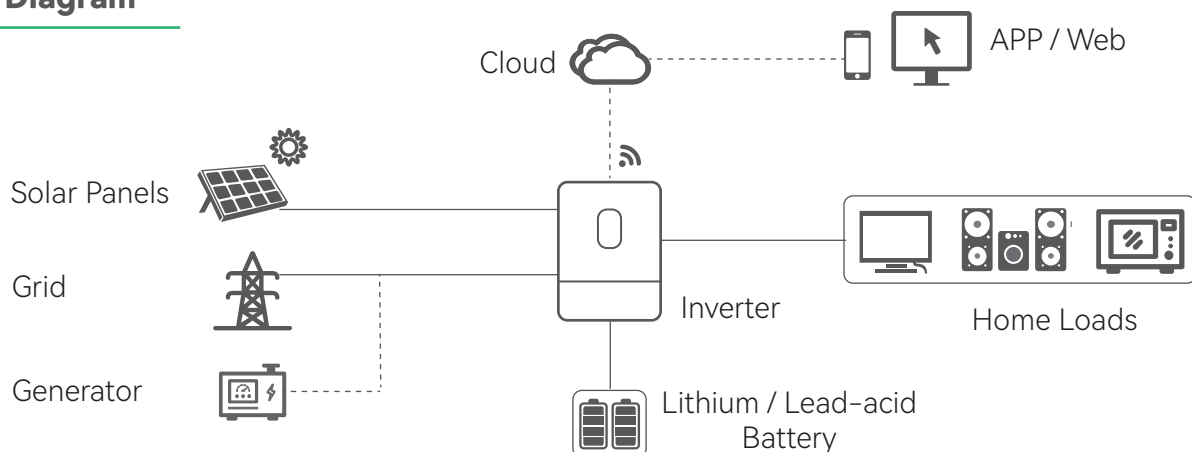


WiFi
Monitoring(optional)



5 Inch Display

System Diagram



Specifications

Model	PV9000-48 S6.5
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)	6.5
Surge Power (kVA)	12
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 (PV+Battery mode / PV Mode)	1min@102%-120% load, 10s@ 120%-200% load
Max. Efficiency (Battery Mode)	94%@48VDC
Parallel Quantity	NA
Charger (PV / AC)	
Solar Charger Type	MPPT
Max. PV Input Current (A) / Input Power (W)	27 / 9000
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
Max. Charging Current (A)	120
Max. Discharging Current (A)	140
Battery Type	Lithium / Lead-acid
Interface	
HMI	5 inch LCD
Interface	RS232/RS485/CAN
Monitoring	WiFi (optional/built-in/external)
General Data	
Ingress Protection	IP21
Operating Temperature (°C)	-10 ~ 60
Relative Humidity	5% ~ 95% (Non-condensing)
Storage Temperature (°C)	-15 ~ 60
Net Weight (kg)	8.4
Dimensions (H*W*D) (mm)	410*336*110 (without bracket)
Max. Operating Altitude (m)	4000 (Derating above 2000)

Single Phase Off-grid Inverter



PV9000-48 P6.5



Built-in 120A
Solar Charger



Wide PV Input Voltage
Range 60-500V



27A
MAX PV Input

DUAL

Dual AC Out



9 Inverters
in Parallel

BMS

Support Lithium/
Lead-acid Battery



Lithium Battery
Activation



Feed-in
to Grid

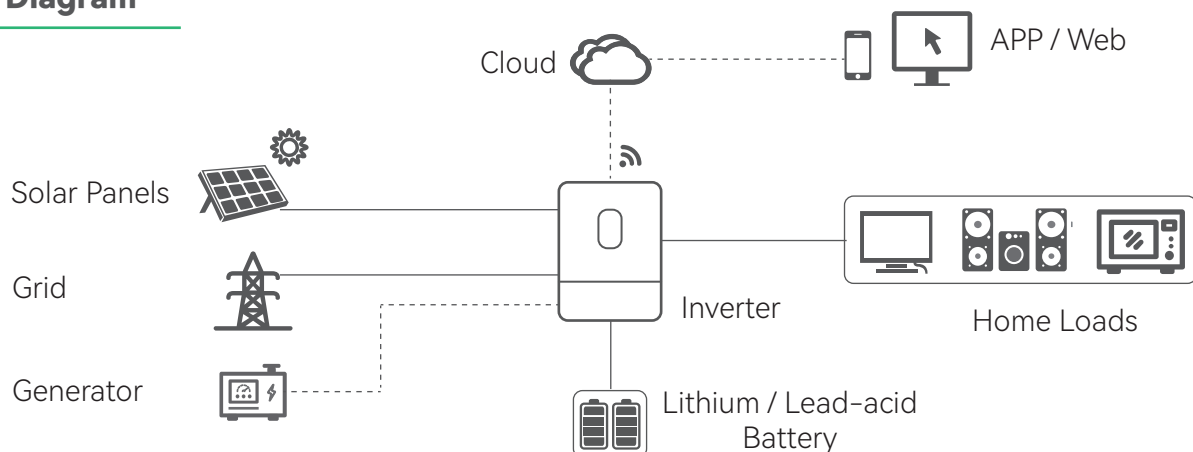


WiFi
Monitoring(optional)



5 Inch Display

System Diagram



Specifications

Model	PV9000-48 P6.5
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)	6.5
Surge Power (kVA)	12
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 (PV+Battery mode / PV Mode)	1min@102%-120% load, 10s@ 120%-200% load
Max. Efficiency (Battery Mode)	94%@48VDC
Parallel Quantity	9
Charger (PV / AC)	
Solar Charger Type	MPPT
Max. PV Input Current (A) / Input Power (W)	27 / 9000
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
Max. Charging Current (A)	120
Max. Discharging Current (A)	140
Battery Type	Lithium / Lead-acid
Interface	
HMI	5 inch LCD
Interface	RS232/RS485/CAN/Parallel Interface
Monitoring	WiFi (optional/built-in/external)
General Data	
Ingress Protection	IP21
Operating Temperature (°C)	-10 ~ 60
Relative Humidity	5% ~ 95% (Non-condensing)
Storage Temperature (°C)	-15 ~ 60
Net Weight (kg)	8.4
Dimensions (H*W*D) (mm)	410*336*110 (without bracket)
Max. Operating Altitude (m)	4000 (Derating above 2000)