

Single Phase Grid Tied Hybrid Inverter



PATANJALI

Renewable Energy Solutions



PREPL 5GH



Built-in 80A
Solar Charger



Wide PV Input Voltage
Range 120-500V



Workable with
Generator

DUAL
Dual AC
Output



9 Inverters
in Parallel

BMS

Support Lithium/
Lead-acid Battery



Lithium Battery
Activation



Detachable
Dust Cover

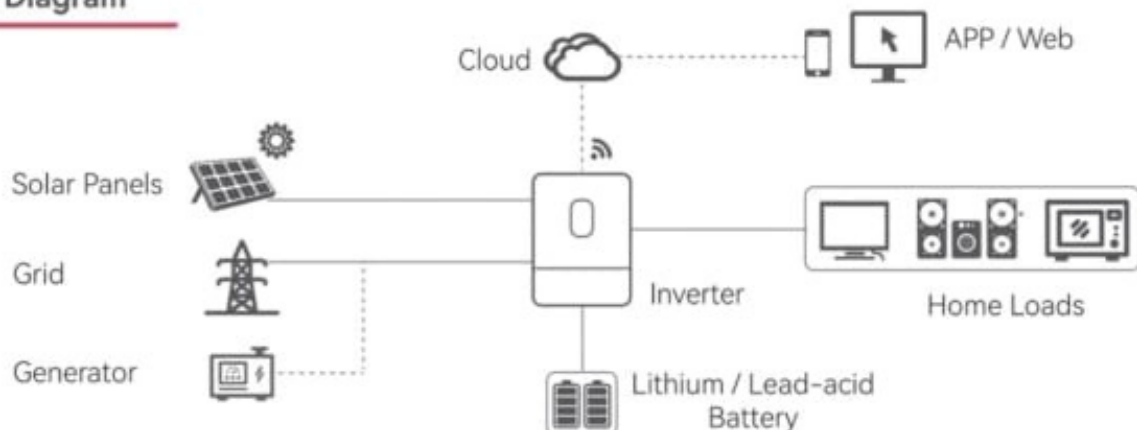


Feed-in
to Grid



WiFi
Monitoring(optional)

System Diagram



www.patanjalirenewable.com

Specifications

Model:

PREPL 5GH

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)	5
Surge Power (kVA)	10
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)	60s@102%~110% load; 10s@110%~130% load; 3s@130%~150% load; 0.2s@>150% load

Max. Efficiency (Battery Mode)	93%@48VDC
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Parallel Quantity	9
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Charger (PV / AC)

Solar Charger Type	MPPT
Max PV Input Current / Input Power	18A / 6000W
MPPT Range@Operating Voltage (VDC)	120~450
Max PV Open Circuit Voltage (VDC)	500
Max PV Charge Current (A)	80
Max AC Charge Current (A)	80
Max. Charge Current (PV + AC) (A)	80

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 / RS232 / USB / Dry Contact
Monitoring	WiFi (Optional)

General Data

Ingress Protection	IP21
Operating Temperature	-10 °C ~ 50 °C
Relative Humidity	5% ~ 95% (Non-condensing)
Storage Temperature	-15 °C ~ 60 °C
Net Weight (kg)	9.5
Dimensions (W*H*D)	510*306*115mm (without bracket)
Max. Operating Altitude	4000m (Derating above 1000m)