

Single Phase Hybrid Inverter

STABIMATIC®



 **Works without Battery**

2 YEARS WARRANTY
1 Year Replacement
1 Year Free Service
(Conditions Applied)

STB-PV-4200



Built-in 100A Solar Charger



Wide PV Input Voltage Range 40-500V



Workable with Generator



Feed-in to Grid

BMS

Support Lithium/Lead-acid Battery



Lithium Battery Activation

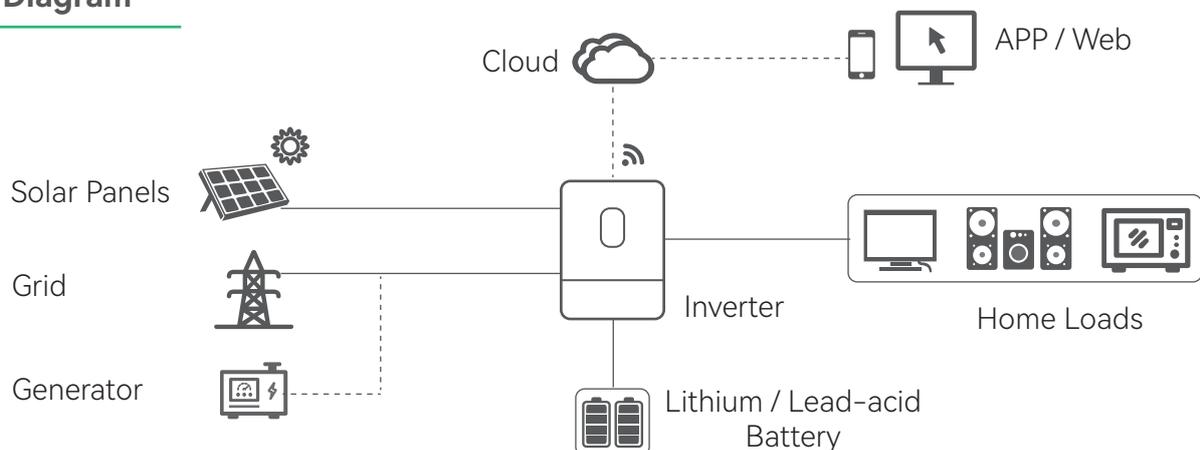


Detachable Dust Cover



WiFi Monitoring(optional)

System Diagram



Specifications

Model	STB-PV-4200
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)	3.6
Surge Power (kVA)	7.2
Voltage (VAC)	208 / 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)	60s@102%-110% load; 10s@110%-130% load; 3s@130%-150% load; 0.2s@>150% load
Max. Efficiency (Battery Mode)	92.7%@24VDC
Parallel Quantity	NA
Charger (PV / AC)	
Solar Charger Type	MPPT
Max PV input Current / Input Power	18A / 5000W
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
Floating Charge Voltage (VDC)	27
Overcharge Protection (VDC)	30.5
Battery Type	Lithium and Lead-acid
Interface	
HMI	LCD
Interface	RS485 / CAN / RS232 / Dry Contact
Monitoring	WiFi (optional/external)
General Data	
Ingress Protection	IP20
Operating Temperature	-10 °C - 50 °C
Relative Humidity	5% ~ 95% (Non-condensing)
Storage Temperature	-15 °C - 60 °C
Net Weight (kg)	6.4
Dimensions (H*W*D)	420*284*94mm
Max. Operating Altitude	4000m (Derating above 1000m)