

Single Phase Hybrid Inverter

STABIMATIC®



Works without Battery

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

STB-PV-6500



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



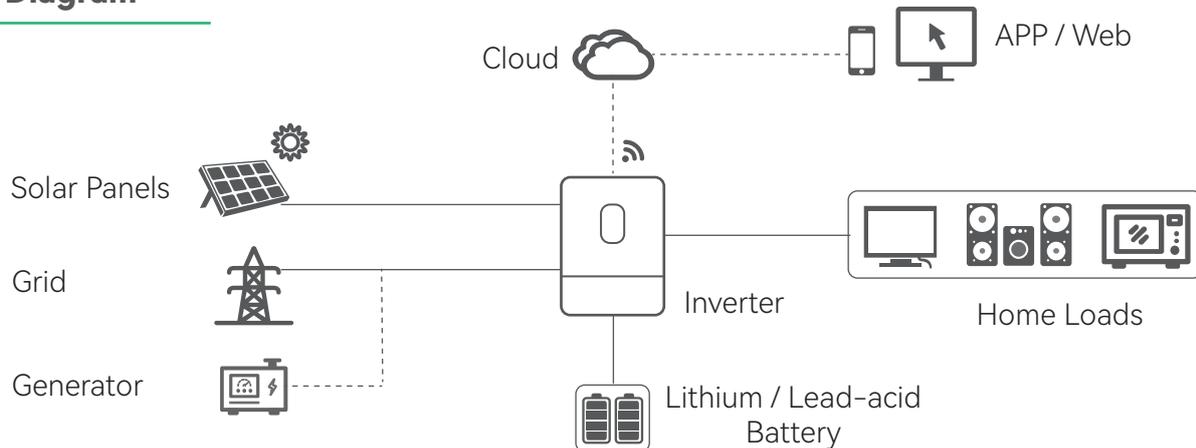
WiFi Monitoring(built-in)



5 Inch Display

System Diagram

Note*: P6.5 is parallel model, S6.5 is single model.



Specifications

Model	STB-PV-6500
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)	Previous continuous load < 2.5kW: 15min@102%~108% load; 1min@108%~120%load; 10s@ > 120% load Or 1min@102%~120% load; 10s@ > 120% load
Max. Efficiency (Battery Mode)	94%@48VDC
Parallel Quantity	NA
Charger (PV / AC)	
Solar Charger Type	MPPT
Max PV Input Current / Input Power	27A / 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	RS232/RS485/CAN
Monitoring	WiFi (built-in)
General Data	
Ingress Protection	IP21
Operating Temperature	-10 °C - 60 °C
Relative Humidity	5% ~ 95% (Non-condensing)
Storage Temperature	-15 °C - 60 °C
Net Weight (kg)	8.4
Dimensions (H*W*D)	410*336*110mm
Max. Operating Altitude	4000m (Derating above 1000m)