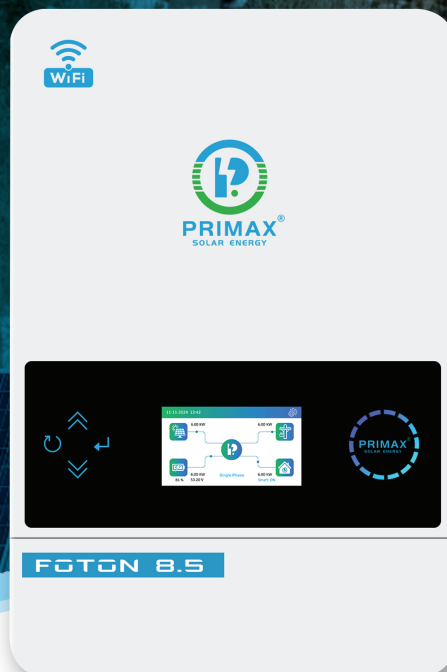




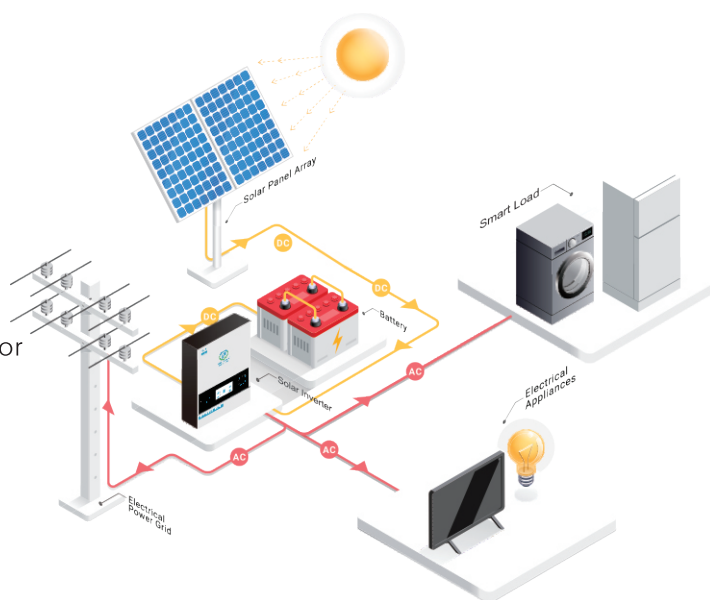
FOTON

HYBRID SOLAR INVERTER FOTON 8.5



FEATURES

- Enhanced inverter output power under PV mode
- BMS communication , support lithium battery
- Touch LCD screen ,intuitive parameter display, convenient for user operation
- Touch button as an alternative operating method
- Novel and fashionable RGB atmosphere lights indicator
- Dual Output with Pure sine wave
- 8500W high PV input, support more panels
- Support WiFi monitoring & setting
- Working with or without battery



HIGH
PV INPUT

BMS

SUPPORT
LITHIUM BATTERY



TOUCH
LCD SCREEN



DUAL
OUTPUT



WIFI
MONITORING



UPDATE
OTA FIRMWARE

FOTON 8.5

— PARAMETERS —

Model		FOTON 8.5
Input	Phase	Single Phase
	Nominal Voltage	220/230/240VAC
	Voltage Range	90-280VAC±3V (Normal Mode) 170-280VAC±3V (UPS Mode)
	Frequency Range	50Hz/60Hz (Adaptive)
Output	Rated Power	6500W
	PV Mode	6500W
	Battery Mode/AC Mode	6200W
	Output Voltage (AC)	220/230/240VAC±5%
	Output Frequency	50/60Hz±0.1%
	Dual Output Rated Power	Main Load: 6200W , Second Load : 6200W
	Waveform	Pure Sine Wave
	Transfer Time (Adjustable)	10ms for Computer , 20ms for Home Appliances
	Peak Power	12400VA
	Overload (Battery Mode)	105%~150% Load: 11s ; 150%~200% Load: 2s; >200% Load: 400ms
	Peak Efficiency (Battery Mode)	>94%
Grid-tie	Output Voltage	220/230/240VAC
	Feed-in Grid Voltage	175 - 265 VA
	Feed-in Grid Frequency Range	49-51±1Hz/59-61±1Hz
	Rated Feed-in Grid Current	26.9A
	Peak Efficiency (DC/AC)	98%
Battery	Rated Voltage	48 VDC
	Constant Voltage Charging Voltage	56.4VDC (Adjustable)
	Floating Charge Voltage	54VDC (Adjustable)
Charger	PV Charging Method	Single MPPT
	PV Max Input Power	8500W
	MPPT Tracking Range	60-500 VDC
	Best PV Voltage Range	360-430 VDC
	Max PV Input Voltage	500 VDC
	Max PV Input Current	27A
	Max PV Charging Current	120A
	Max AC Charging Current	100A
Communication Port	RS232	For External WiFi device / Monitoring & Update
	RS485	For BMS Communication
	Dry Connect	Support sending signal to start generator
	Parallel Function	No
Environmental parameters	Operating environment temperature	-10~50℃
	Operating environment humidity	20%~95% (Non condensing)
	Storage temperature	-15~60℃
	Altitude	The altitude should not exceed 1000m, derating above 1000m, up to 4000m
	Noise	≤50db
Certifications		IEC 62109-1, IEC 62109-2, IEC 61683