

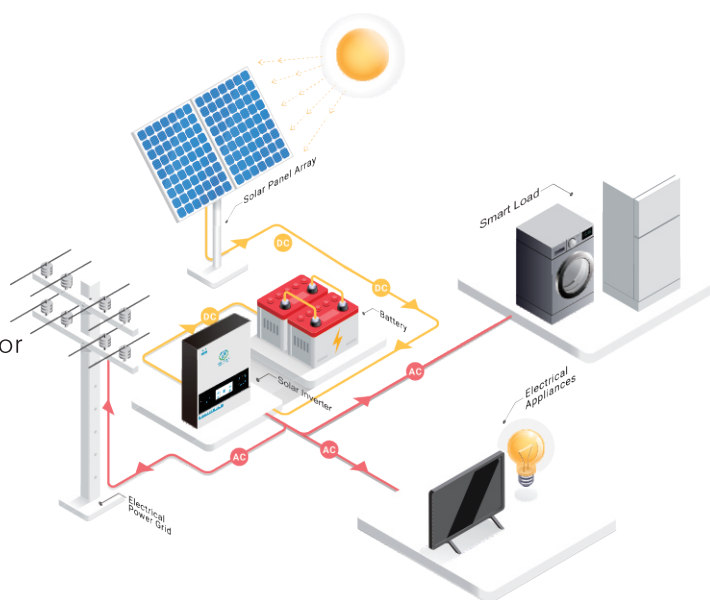
FOTON

HYBRID SOLAR INVERTER FOTON 18.0



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 & Dual PV Input
- 18000W 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 18.0

— PARAMETERS —

Model		FOTON 18.0
Input	Phase	Single Phase
	Nominal Voltage	220/230/240VAC
	Voltage Range	90-280VAC $\pm$ 3V(Normal Mode) 170-280VAC $\pm$ 3V(UPS Mode)
	Frequency Range	50Hz/60Hz(Adaptive)
Output	Rated Power	12000W
	PV Mode / AC Mode	12000W
	Battery Mode	11000W
	Output Voltage(AC)	220/230/240VAC $\pm$ 5%
	Output Frequency	50/60Hz $\pm$ 0.1%
	Dual Output Rated Power	Main Load: 11000W , Second Load : 11000W
	Waveform	Pure Sine Wave
	Transfer Time(Adjustable)	10ms for Computer , 20ms for Home Appliances
	Peak Power	22000VA
	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 $\pm$ 1Hz/59-61 $\pm$ 1Hz
	Rated Feed-in Grid Current	47.8A
	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	Dual MPPT
	PV Max Input Power	18000W (9000w+9000w)
	MPPT Tracking Range	90-500 VDC
	Best PV Voltage Range	360-430 VDC
	Max PV Input Voltage	500 VDC
	Max PV Input Current	32A + 32A
	Max PV Charging Current	150A
	Max AC Charging Current	150A
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	$\leq$ 50db
Certifications		IEC 62109-1, IEC 62109-2, IEC 61683