

Single Phase Off-grid Inverter



FN3000B



Built-in 100A
Solar Charger

BMS

Support Lithium/
Lead-acid Battery



Wide MPPT
Range 60-450V



Lithium Battery
Activation



Workable with
Generator



Detachable
Dust Cover



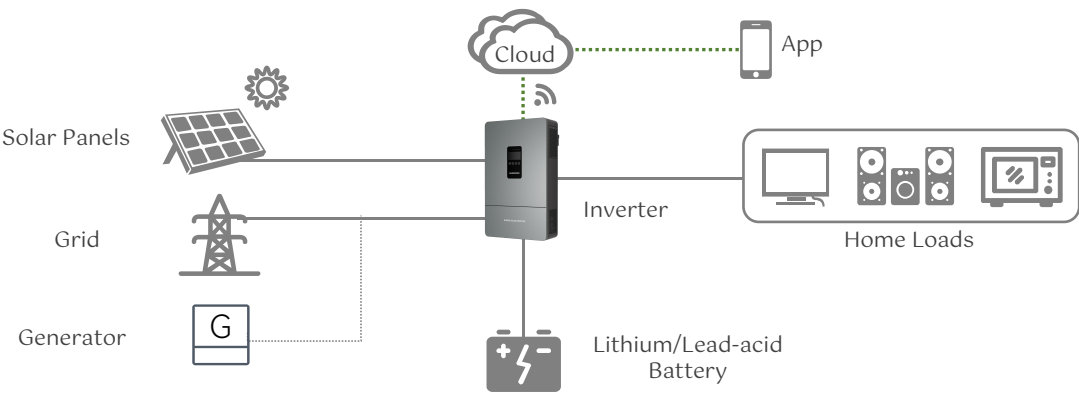
Complete CE
Certificate



WiFi
Monitoring

System Diagram

MAXDEPOER



Specifications

Model	FN3000B
AC Input	
Rated Input Voltage (VAC)	208 / 220 / 230 / 240; L + N + PE
Voltage Range (VAC)	90~280±3 (normal mode); 170~264±3 (UPS mode)
Frequency (Hz)	50 / 60 (Auto Adaptive)
AC Output	
Rated Capacity (kW)	3
Peak Power (kVA)	6
Voltage (VAC)	208 / 220 / 230 / 240
Power Factor (PF)	1
Frequency	50/60Hz±0.1%
Switch Time (Typical Value, 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%@24VDC
Parallel Quantity	NA
Charger (PV / AC)	
Solar Charger Type	MPPT
Max PV input Current / Input Power	14A / 4000W
MPPT Range@Operating Voltage (VDC)	60~430
Max PV Open Circuit Voltage (VDC)	450
Max PV Charge Current (A)	100
Max AC Charge Current (A)	100
Max. Charge Current (PV + AC) (A)	100
Battery	
Normal Voltage (VDC)	24
Floating Charge Voltage (VDC)	27
Overcharge Protection (VDC)	31
Battery Type	Lithium and Lead-acid
Interface	
HMI	LCD
Interface	RS485 / RS232 / USB / Dry Contact
Monitoring	WiFi (Optional)
General Data	
Ingress Protection	IP20
Operating Temperature	-10℃~ 50℃
Relative Humidity	5% ~ 95% (Non-condensing)
Storage Temperature	-15℃~ 60℃
Net Weight (kg)	8
Dimensions (W*H*D)	510*306*115mm (without bracket)
Max. Operating Altitude	4000m (Derating above 1000m)

The information in this document is for reference only and does not constitute any invitation or commitment. The company may modify the content without notice. The final interpretation rights of this document belong to Guangzhou Shixiao Technology Co., Ltd.