

Single Phase Off-grid Inverter



FN5000AB



BMS
Support Lithium/
Lead-acid Battery



**Built-in 80A
Solar Charger**
Lithium Battery
Activation



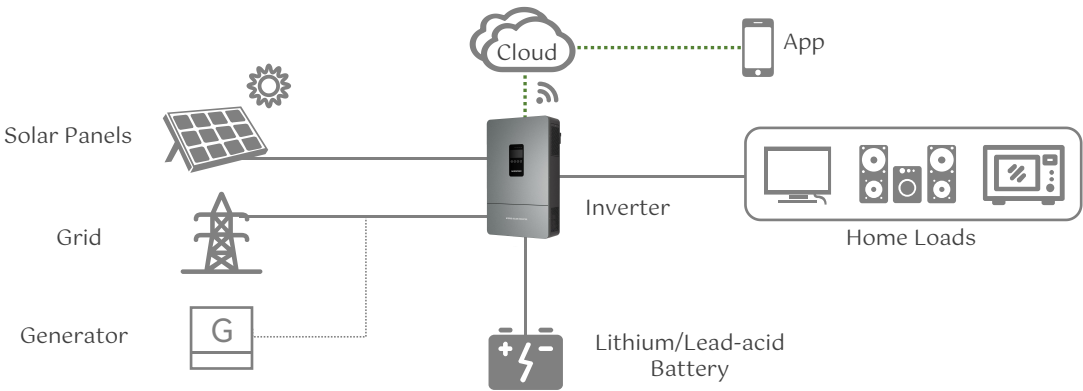
**Wide MPPT
Range 120-500V**
Detachable
Dust Cover

DUAL
Dual AC Output



System Diagram

MAXDEPOER



Specifications

Model	FN5000AB
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)	5
Peak Power (kVA)	10
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%@48VDC
Parallel Quantity	9
Charger (PV / AC)	
Solar Charger Type	MPPT
Max PV Input Current / Input Power	18A / 6000W
MPPT Range@Operating Voltage (VDC)	120~450
Max PV Open Circuit Voltage (VDC)	500
Max PV Charge Current (A)	80
Max AC Charge Current (A)	80
Max. Charge Current (PV + AC) (A)	80
Battery	
Normal Voltage (VDC)	48
Floating Charge Voltage (VDC)	54
Overcharge Protection (VDC)	61
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)	9
Dimensions (W*H*D)	510*306*115mm (without bracket)
Max. Operating Altitude	4000m (Derating above 1000m)

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