

# Single Phase Off-grid Inverter



FN6000B



9 Inverters  
in Parallel

**BMS**

Support Lithium/  
Lead-acid Battery



Built-in 135A  
Solar Charger



Lithium Battery  
Activation



Wide MPPT  
Range 60-500V



Detachable  
Dust Cover



30A  
MAX PV Input



WiFi  
Monitoring

**DUAL  
IN OUT**

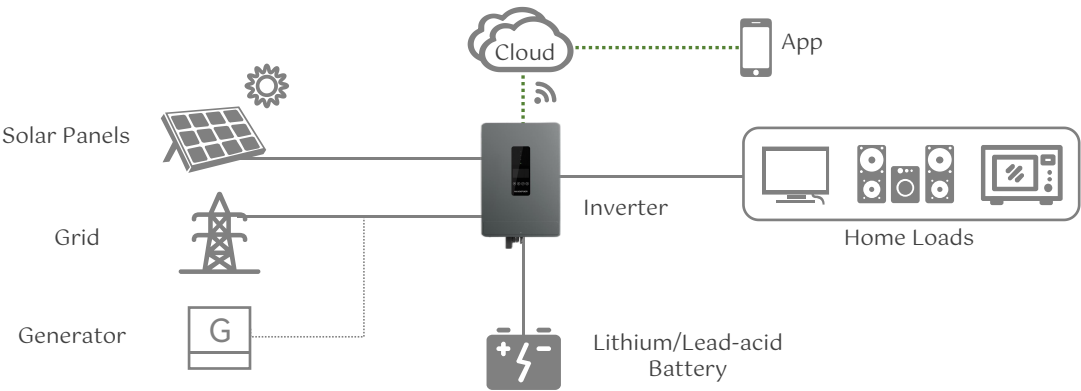
Dual AC In & Dual  
AC Out\*



Noise Control  
Algorithm

System Diagram

**MAXDEPOER**



\*Extra interface can be selected as in or out. It cannot support at the same time.

# Specifications

Model	FN6000B
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
Peak Power (kVA)	12
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)	10min@102%~120%Load, 1min@120%~150%Load 10S@150%~200%Load, 5s@ > 200%Load
Max. Efficiency (Battery Mode)	93%@48VDC
Parallel Quantity	9
Charger (PV / AC)	
Solar Charger Type	MPPT
Max PV Input Current / Input Power	30A / 7000W
MPPT Range@Operating Voltage (VDC)	60~450
Max PV Open Circuit Voltage (VDC)	500
Max PV Charge Current (A)	135
Max AC Charge Current (A)	135
Max. Charge Current (PV + AC) (A)	135
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)	10
Dimensions (W*H*D)	490*312*125mm
Max. Operating Altitude	4000m (Derating above 1000m)

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