



FXN-4KW-T4

FXN-6KW-T6

Off-grid Hybrid Inverter

「4/6kW」

Features



Support Independent Grid/Generator Input

Dual AC inputs and integrated grid-generator switching system



Parallel Connection

Parallel connection with up to 9 units



Smart Load Management

Dual AC outputs design



Faster On/Off-grid Switching

UPS-level switching time: 10ms



Remote Monitoring

Built-in WiFi module for HaiPower App monitoring



Efficient Battery Charge/Discharge

Max. 120A charge current

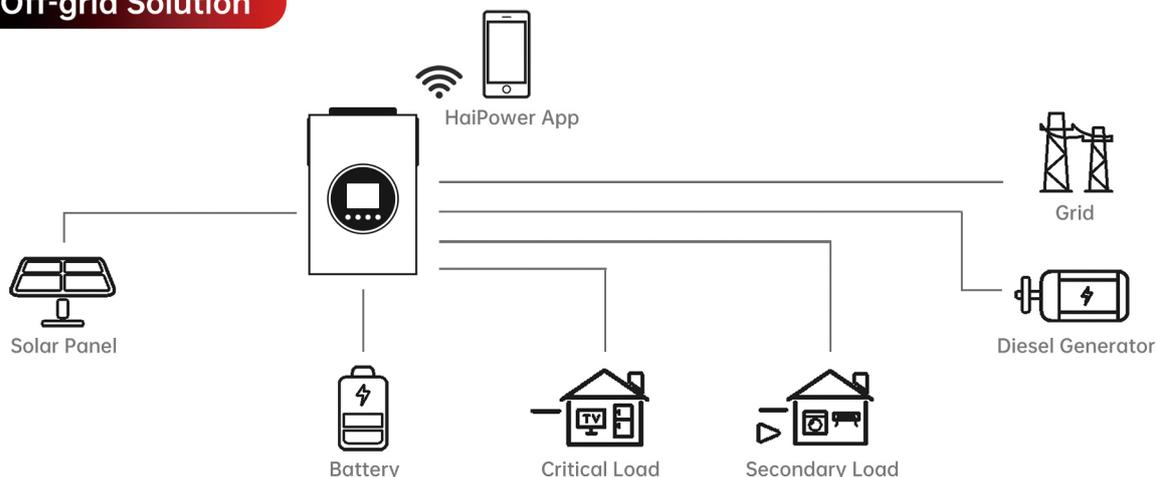
Max. 137A discharge current



Stylish Design

Larger screen with touch keys and LED ring lights

Off-grid Solution



*Wi-Fi, generator and parallel functions are optional based on end-user's demand.

Specifications

Technical Data

FXN-4KW-T4

FXN-6KW-T6

Solar Input Data

Max. PV Input Power	5000W		7800W
Max. Input Voltage	500V		550V
Start-up Voltage			120V
MPPT Voltage Range	90V-450V		90V-500V
Max. Input Current per MPPT	22A		27A
Max. Short Circuit Current per MPPT	25A		32A
Number of MPPT			1

AC Input Data (Grid&Generator)

Nominal Input Voltage	230Vac, L/N/PE		
Input Voltage Range	90~280Vac (APL); 170~280Vac (UPS)		
Max. Input Current	35A		
Nominal Input Power	8050W		
AC Frequency Range	40~65Hz		

Battery Data

Battery Type	Li-Ion/Lead-acid		
Nominal Battery Voltage	24V		48V
Battery Voltage Range	20~30V		42~60V
Max. Discharge Current			137A
Max. Charge/Discharge Power	3300W		6000W
Li-Ion Battery Activation	Yes		
Li-Ion Battery Communication	CAN/RS485		
Max. Solar Charge Current	120A		
Max. AC Charge Current	100A		
Max. Charge Current (PV+AC)	120A		

Inverter Output Data

Nominal Output Power	4000W		6000W
Peak Apparent AC Power	8000VA		12000VA
Nominal AC Voltage	230V		
Nominal Grid Frequency	50/60Hz (Auto Sensing)		
Voltage Waveform	Pure Sine Wave		
Transfer Time	10ms		
Max. Output Current	18A		27A
Overload Protection	30s@102%-110% load; 10s@110%-130% load; 5s@130%-200% load		

Efficiency

Peak Efficiency	94%		
MPPT Efficiency	>99.9%		

Protect

DC Surge Protection	Yes		
AC Surge Protection	Yes		
AC Short Circuit Protection	Yes		

System Parameters

Dimension (W*H*D)	333*505*120mm		
Weight	10.6kg		
Relative Humidity	5%~95% (Non-condensing)		
Ingress Protection	IP21		

Characteristic

Number of AC Output	2		
Display	LCD&LED&APP		
Communication Interface	RS485/ USB /CAN/ Wi-Fi		
Parallel Capability	-		9