

		Specifications	
Price (US\$ FOB China)	Markets	Product Name	Issue
	Asia / Africa / Oceania / Americas	INV-24V-3KW HF	01/16/2025
		Features	
		The x-Grid series is an all-in-one hybrid solar charge inverter with high-power density and compact design. It integrates solar energy storage, features DSP control for reliability, supports lithium battery communication, and offers a pure sine wave output with a wide input voltage range and short circuit protection. For detailed explanation on out features, please visit our X-Grid Series article	
		INV-24V-3KW HF Use Cases: It's a supplement to the grid for AC appliances not exceeding 3KW combined.	
		For a detailed technical specification, please visit our datasheet.	
Property			
Property	Definition		Value
Size	Dimensions (L x W x H) (mm)		565x390x200mm
Weight	Weight (Kg)		10.46
Solar Inverter INV-24-3000W			
Property	Definition		Value
---Input Mode---	Description		-----
Input Sources	Description		L+N+PE
Rated Input Voltage	Voltage AC (V)		220/230/240VAC
Input Voltage Range	Voltage AC (V)		90~280VAC±3V(APP Mode)170~280VAC±3V (UPS Mode)
Frequency	Frequency		50Hz/ 60Hz (Auto Adaptive)
--- Output Mode ---	Description		-----
Rated Output Power (KW)	Power (kW)		3
Rated Output Voltage (Vac)	Rated Output Voltage AC (V)		220/230/240VAC±5%
Output Frequency Range (Hz)	Frequency		50Hz / 60Hz ± 0.1%
Transfer Time (adjustable)	Description		Computers(UPS Mode)10ms,

		Appliance(APP Mode)20ms
Peak Power (VA)	Description	6000VA
Over Load Ability	Description	Battery Mode:11s@105%~150%Load;2s@150%~200%Load;400ms@>200%Load
Peak Efficiency (Battery Mode)	Description	≥98%
--- Battery Mode ---	Description	-----
Battery Voltage	Rated Input Voltage DC (V)	24Vdc
Constant Charging Voltage (Adjustable)	Voltage DC (V)	28.2Vdc
Floate Charging Voltage (Adjustable)	Voltage DC (V)	27Vdc
Battery Type	Cell Type	Lead Acid or Lithium Battery
--- Chargers Mode---	Description	-----
PV Charging Model	Description	MPPT
Max.PV Input Power	Power (W)	5000W
MPPT Voltage Range	Input DC Voltage Range	60~500Vdc
Best Voltage	Voltage DC (V)	300~400Vdc
Max.PV Input Voltage	Voltage DC (V)	500Vdc
Max.PV Charging Current	Charge Current DC (A)	100A
Max.AC Charging Current	Current AC (Cac)	60A
Maximum Charge Current	Charge Current AC (A)	100A
---Display Mode---	Description	-----
LCD Display	Description	Display Running Mode/ Loads/Input/Output etc.
---Interface Mode---	Description	-----
Parallel Connect Interface	Description	Without Parallel Connect
Communication Interface	Description	USB /RS 485(GPRS)/ Dry Node Control
--- Certified Specifications ---	Description	-----
Certification	Description	CE (EN 62109-1)
---Environments---	Description	-----

Operating Temperature Range	Temperature Range (°C)	0°C ~40°C
Storage Temperature Range	Temperature Range (°C)	-15°C ~ 60°C
Humidity Range	Description	20% ~ 95% (Non-condensing)
Noise	Description	≤50dB
Heat Dissipation	Description	Forced Air Cooling, Variable Speed of Fan
Size (L*W*D)	Dimensions (L x W x H) (mm)	470mm*312mm*125 mm
Product Weight	Weight (Kg)	9