

HDX Plus Series 1~2KVA



HDX Plus is a DC-to-AC inverter with auto line-to-battery transfer and integrated charging system, serving as an extended run UPS, a standalone power source or an automotive inverter. HDX Plus supplies power from AC power and DC source. When AC cable is connected to a wall socket, utility power goes to connected equipment(s) and/ or charges the battery set via charging system. In battery mode, HDX Plus automatically converts battery energy into AC power for backing up the connected devices.

Features:

- ◆ Automatic line-to-battery switchover.
- ◆ Configurable Input voltage ranges via LCD setting.
- ◆ High efficient DC-to-AC conversion, minimizing energy loss.
- ◆ Rack design & wall-mounted design for flexible installation.
- ◆ Built-in enhanced charger.
- ◆ Built-in solar charger controller up to 40A.
- ◆ Intelligent 3-stage charger control for efficient charging and preventing overcharge.
- ◆ Auto restart while AC recovery.
- ◆ Multiple protection: low battery alarm, low battery shutdown, over charger protection, overload protection, over temperature protection, short circuit protection.
- ◆ with the environmental temperature control charge management.

Specifications

Modified Sine Wave Hybrid charger Inverter

Model	HDX Plus 1K-12		HDX Plus 1.2K-12	HDX Plus 2K-24
*1 CAPACITY	VA/W	1000VA/720W	1200VA/900W	2000VA/1500W
BATTERY	VDC	12VDC	12VDC	24VDC
Input	Nominal Voltage	220/230/240VAC		
	Voltage Range	90-280VAC(Wide Range); 170-280VAC (Narrow Range)		
	Voltage	230VAC		
	Voltage Regulation (Bat. Mode)	10% / -18%		
	Frequency	50/60Hz (Adjustable);		
Output	Frequency Regulation (Bat. Mode)	+/-1 Hz		
	Output Waveform	Modified Sine-wave		
BATTERY & CHARGER	Charge Current	20Amp	20Amp	15 Amp
	Overcharge Protection	16V	16V	32V
TRANSFER TIME	Typical	15ms Typical, 40ms Max.		
Efficiency	AC to AC	>95%		
	DC to AC	>80%		
DISPLAY INDICATOR	AC Mode	Display output power, output voltage		
	Battery Mode	The mark  will flicker every 1second.		
	Battery Charging Mode	Display the Battery capacity		
	Fault	Display fault		
SOLAR BATTERY CHARGER	Max. Input Power	450W	450W	900W
	Charging Current	40Amp		
	Nominal Batery Voltage	12V	12V	24V
	Optimal Work Voltage Range	15V~18V	15V~18V	30V~36V
	Max.PV Input Voltage	55V		
PROTECTION	Full Protection	Discharge, overcharge, overload, over temperature protection.		
PHYSICAL	Dimension (L*W*H)	373*121*305mm		
	Net Weight (kg)	2.18kg	2.49kg	2.37kg
ENVIRONMENT	Operating environment	0- 50°C, 5%-90 % relative humidity (non-condensing)		
	Storage Environment	-15°C to 55°C, 5% to 95% humidity (non-condensing)		
	Noise Level	Less than 50dB		

◆ Product specifications are subject to change without further notice.

Application:

