

HDX Plus Inverter Series

Application

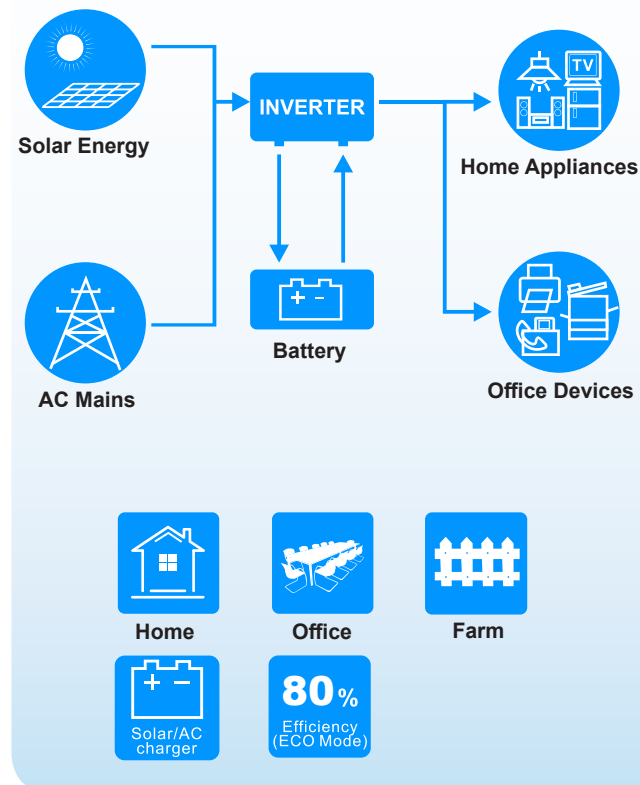
HDX Plus is a DC-to-AC inverter with auto line-to-battery transfer and integrated charging system, serving as an extended run UPS, a standalone power source or an automotive inverter. HDX Plus supplies power from AC power and DC source. When AC cable is connected to wall socket, utility power goes to connected equipment(s) and/or charges the 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.

Application



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Pure Sine Wave charger inverter

Specifications

Model		HDX Plus1K-12	HDX Plus1.2K-12	HDX Plus2K-24
AC Input	VA/W	1000VA/700W	1200VA/900W	2000VA/1500W
Battery	VDC	12VDC		24VDC
AC Input	Nominal input Voltage	220/230/240VAC		
	Selectable Voltage Range	170-280VAC (Narrow Range); 90-280VAC (Wide Range)		
AC Output	Output Voltage Waveform	Modified sine wave		
	Voltage	230VAC		
	Voltage Regulation (Batt.Mode)	10% / -18%		
	Nominal Output Frequency (Hz)	±1HZ		
Battery & Charger	Charger Current	20Amp	15Amp	
	Overcharge Protection	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 \pm will flicker every 1second.		
	Battery Charging Mode	Display the Battery capacity		
	Fault	Display fault		
Solar Battery Charger	Max. Input Power	450W	900W	
	Charging Current	40Amp		
	Nominal Battery Voltage	12v	24v	
	Optimal Work Voltage Range	15~18V	30V~36V	
	Max.PV Input Voltage	55V		
Protection	Full Protection	Discharge, overcharge, overload, over temperature protection.		
General Specifications	Operating Temperature Range	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		
	Dimension(L*W*H)	373*121*305mm		
	Net Weight(kg)	2.18kg	2.49kg	2.37kg

◆ Product specifications are subject to change without further notice.