

DATASHEET

PX SERIES POWER PRODUCTS

Pure Sine Wave DC To AC Inverter

PXFVS Series

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About

PX Electronic specialise in the design of electrical power measuring instrumentation. Including power analysers, High Voltage Switching, HiPot Testing, ground bond testing and DC loads. Our product expertise and consultancy includes applications associated with electrical safety equipment, AC power analysis, energy instruments and current sensors and current probes. Applications include EV, wind turbines, green power, automation, military power systems, power electronics, power conversion, electric cars, generators, motors, fans and pumps.

Our range of Test & Measuring products includes power analysers, single & three phase watt meters measuring from DC to 2MHz along with HV related switching and IR measurement products.

PX offers PC based software solutions. This enables PX measuring instruments and transducers to be controlled via USB, Ethernet, RS232, RS485 and IEEE-488 interfaces. Various display and storage options are available to suit the customer's need. An "in house" software customisation service is available.

PX has a global support network, enabling us to distribute our products worldwide from a variety of distributors and representatives to meet the needs of our customers.

PXFVS Series Pure Sine Wave DC To AC Inverter

PXFVS SERIES - 300W ~ 6000W

Applications

- Electric Tools
- Home entertainment electronic devices
- Industrial equipments
- Household appliances
- Office equipments
- Kitchen appliances



PXFVS SERIES
300W ~ 6000W
PURE SINE WAVE
DC TO AC INVERTER



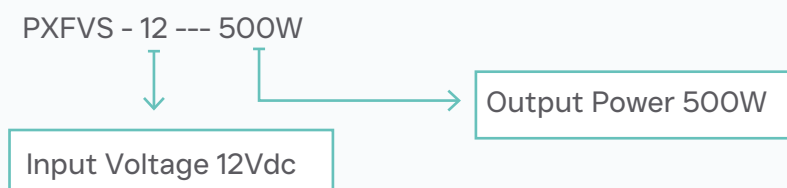
Why PXFVS DC To AC Inverter?

PX Electronics PXFVS series Dc to AC Inverters are an easy-to-use solution for delivering AC power from batteries and other DC sources like solar and wind power. The input DC voltage can be 12V/24V/48V/60V/72Vdc. It provides a pure sine wave output which is ideal for a variety of load types such as inductive load, capacitive load, resistive load, mixed load etc.

PXFVS has multiple protection features such as input over voltage, under voltage, overload, overheat, and output short circuit. These protections make them a safe and reliable option

Model Selection

Model Selection Of PX Electronics PXFVS DC TO AC Inverter Is Shown Below



Technical Specification

PXFVS SERIES - 300W ~ 6000W (Note: The below specs are subject to change without notice)					
Model(PXFVS-24-	300W	600W	1000W	1500W	2000W
Output Power	300W	600W	1000W	1500W	2000W
Display	LED		LCD		
Input voltage 1	12V/24V/48V/60V/72Vdc				
Input range	12Vdc(10-15),24Vdc(20-30),48Vdc(40-60),60Vdc(50-75),72Vdc(60-90)				
Undervoltage protection	12V(10.0V±0.3),24V(20.0V±0.3),48V(40.0V±0.3),60V(50.0V±0.3),72V(60.0V±0.3)				
Over voltage protection	12V(15.0V±0.3),24V(30.0V±0.3),48V(60.0V±0.3),60V(75.0V±0.3),72V(90.0V±0.3)				
Recovery voltage	12V(12.8V±0.3),24V(25.6V±0.3),48V(51.0V±0.3),60V(65.0V±0.3),72V(78.0V±0.3)				
No-load current	0.35A	0.50A	0.60A	0.60A	0.70A
Overload protection	≤130%				
Output voltage	110Vac±10% or 220Vac±10%				
Output frequency	50Hz±1Hz or 60Hz±1Hz				
Output waveform	Pure sine wave				
Overheating protection	80°±5°				
Waveform THD	≤3%THD				
Conversion efficiency	90%				
Cooling method	Fan cooling				
Dimensions	183*110*60mm	228*173*76mm	300*173*76mm	360*173*76mm	
Product weight	1.0kg	2.0kg	3.0kg	3.5kg	4.0kg
Model(PXFVS-48-	2500W	3000W	4000W	5000W	6000W
Output Power	2500W	3000W	4000W	5000W	6000W
Display	LED		LCD		
Input voltage 1	12V/24V/48V/60V/72Vdc		24V/48V/60V/72Vdc		
Input range	12Vdc(10-15),24Vdc(20-30),48Vdc(40-60),60Vdc(50-75),72Vdc(60-90)				
Undervoltage protection	12V(10.0V±0.3),24V(20.0V±0.3),48V(40.0V±0.3),60V(50.0V±0.3),72V(60.0V±0.3)				
Over voltage protection	12V(15.0V±0.3),24V(30.0V±0.3),48V(60.0V±0.3),60V(75.0V±0.3),72V(90.0V±0.3)				
Recovery voltage	12V(12.8V±0.3),24V(25.6V±0.3),48V(51.0V±0.3),60V(65.0V±0.3),72V(78.0V±0.3)				
No-load current	0.80A	1.2A	1.2A	0.8A	0.8A
Overload protection	≤130%				
Output voltage	110Vac±10% or 220Vac±10%				
Output frequency	50Hz±1Hz or 60Hz±1Hz				
Output waveform	Pure sine wave				
Overheating protection	80°±5°				
Waveform THD	≤3%THD				
Conversion efficiency	90%				
Cooling method	Fan cooling				
Dimensions	360*173*76mm	400*242*88mm		420*242*88mm	
Product weight	4.0kg	7.5kg	8.0kg	9.0kg	10.0kg

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