

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

Modelphis Priva-Sad-A 500W 600W 1000W - 1500W - 2000W - Output Power 300W 600W - 1000W - 1500W - 2000W - Display LED ICD	PXFVS SERIES - 300W ~ 6000W (Note: The below specs are subject to change without notice)									
RED	Model(PXFVS-24-	300W	600W	1000W		1500W	2000W			
Tay/24V/48V/60V/72Vdc	Output Power	300W	600W	1000W		1500W	2000W			
Type trange	Display	LED	L	LCD			I			
Undervoltage protection 12V(15.0Va5.03,24V(2.0.0V±0.31,48V(4.0.0V±0.31,64V)5.0.0Va5.33,72V(90.0V±0.31) Over voltage protection 12V(15.0Va6.03)24V(3.0.0V±0.31,48V(6.0.0V±0.31,72V(90.0V±0.31) Recovery voltage 12V(12.8Va6.03)24V(25.04V50.348V(61.0Va6.03)72V(90.0Va5.377V(80.0Va5.37VV)90.0Va5.37VV)90.0Va6.03,72VV	Input voltage 1									
Over voltage protection 12V(15 O/±0.3);24V(3.00 V±0.3);46V(6.00 V±0.3);60V(5.00 V±0.3);72V(75.00 V±0.	Input range									
No-load current 0.35A 0.50A 0.40A 0.40A 0.70A	Undervoltage protection									
No-load current 0.35A 0.50A 0.60A 0.60A 0.70A Overload protection 4130%	Over voltage protection									
Overload protection s130% Output voltage 110Vasc10% or 220Vasc10% Output frequency 50Hzz1Hz or 60Hzz1Hz Output waveform Pure sine wave Overheating protection 80°±5° Waveform THD 43%THD Conversion efficiency 90% Cooling method Fan cooling Dimensions 183*110*60mm 228*173*76mm 300*173*76mm 350*173*76mm 350*00 300*0 300*0 300*0 300*0 400*0 600*0 600*0 600*0 600*0 600	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)								
Output voltage 110Vac+10% or 220Vac+10% Output frequency 50Hzz+lHz or 60Hzz+lHz or	No-load current	0.35A	0.50A							
Output frequency 50HzzHz or 60HzzHz Output waveform Pure sile wave Overheating protection 80°±5° Waveform THD 53%THD Conversion efficiency 90% Cooling method Fan cooling Dimensions 183°110°60mm 228°173°76mm 300°173°76mm 360°173°76mm Product weight 10kg 20kg 3.0kg 3.5kg 4.0kg Model(PXFVS-48- 2500W 3000W 4000W 5000W 6000W Output Power 2500W 3000W 4000W 5000W 6000W Display LED LCD LCD LCD Input range 12V/24V/48V/48V/60V/72Vdc 24V/48V/60V/72Vdc 24V/48V/60V/72Vdc 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) 7V(60.0V±0.3) Over voltage 12V(12.8V±0.3),24V(25.6V±0.3),48V(51.0V±0.3),60V(55.0V±0.3),72V(78.0V±0.3) 0.8A 0.8A Overload protection 430% 430% 430 0.8A 0.8A	Overload protection									
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 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 Input voltage 1 12V/24V/48V/60V/72Vdc LCD	Output voltage									
Overheating protection 80°±5° Waveform THD 53%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 Obsplay LED LCD LCD LCD Input voltage 1 12V/24V/48V/60V/72Vdc 12V/44V/48V/60V/72Vdc 24V/48V/60V/72Vdc 24V/48V/60V/72Vdc Undervoltage protection 12V(10.0V±0.3),24V(20.0V±0.3),48V(d,0.0V±0.3),60V(50.0V±0.3),72V(60.0V±0.3) 3.72V(60.0V±0.3) 3.72V(90.0V±0.3) Recovery voltage 12V(12.8V±0.3),24V(25.6V±0.3),48V(51.0V±0.3),60V(55.0V±0.3),72V(78.0V±0.3) 0.8A 0.8A Overload protection 3130% 12A 0.8A 0.8A	Output frequency									
Waveform THD s3%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 Display LED LCD LCD Input voltage 1 12V/24V/48V/60V/72Vdc 24V/48V/60V/72Vdc 24V/48V/60V/72Vdc Input range 12V/dc(10-15),24Vdc(20-30),48Vdc(40-60),60Vdc(50-75),72Vdc(60-90) 32V/12V/24V/48V/48V/25,44V(20.0V±0.3),48V(40.0V±0.3),60V/55.0V±0.3),72V(60.0V±0.3) Undervoltage protection 12V(15.0V±0.3),24V(20.0V±0.3),48V(40.0V±0.3),60V(50.0V±0.3),72V(76.0V±0.3) Recovery voltage 12V(12.8V±0.3),24V(25.6V±0.3),48V(51.0V±0.3),60V(55.0V±0.3),72V(78.0V±0.3) No-load current 0.80A 12A 12A 0.8A 0.8A Overload protection 4130% 412A 0.8A 0.8A	Output waveform									
Conversion efficiency 90% Cooling method Fan cooling Dimensions 183*110*60mm 228*173*76mm 300*173*75mm 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 LCD LCD LCD LCD LCD Input voltage 1 12V/24V/48V/60V/72Vdc 12V/24V/24Vdc 12V/24V/24Vdc 12V/24V/24Vdc 12V/24V/24Vdc 12V/24V/24Vdc 12V/24V/24Vdc 12V/24V/24Vdc 12V/24Vdc 12V/24Vdc 12V/24Vdc 12V/24Vdc 12V/24Vdc 12V/24Vdc 12V/24Vdc 12V/24Vdc 12V/24Vdc	Overheating protection									
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 LCD LCD LCD Input voltage 1 12V/24V/48V/60V/72Vdc 24V/48V/60V/72Vdc 24V/48V/60V/72Vdc 100 V/24V/48V/60V/72Vdc 12V/24V/46C(20-30),48Vdc(40-60),60Vdc(50-75),72Vdc(60-90) 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) 12V/10.0V±0.3),24V(20.0V±0.3),48V(60.0V±0.3),60V(75.0V±0.3),72V(76.0V±0.3) 12V/10.0V±0.3),24V(20.0V±0.3),48V(60.0V±0.3),60V(65.0V±0.3),72V(76.0V±0.3) 12V/10.0V±0.3),24V(20.0V±0.3),48V(60.0V±0.3),60V(65.0V±0.3),72V(76.0V±0.3) 12V/10.0V±0.30,24V(20.0V±0.3),48V(60.0V±0.3),60V(65.0V±0.3),72V(76.0V±0.3) 12V/10.0V±0.30,24V(20.0V±0.3),48V(60.0V±0.3),60V(65.0V±0.3),72V(76.0V±0.3) 12V/10.0V±0.30,24V(20.0V±0.3),48V(60.0V±0.3),60V(65.0V±0.3),72V(76.0V±0.3) 12V/10.0V±0.30,24V(20.0V±0.3),48V(60.0V±0.3),60V(65.0V±0.3),72V(76.0V±0.3) 12V/10.0V±0.30,24V(20.0V±0.3),48V(60.0V±0.3),60V(65.0V±0.3),72V(76.0V±0.3) 12V/10.0V±0.30,24V(20.0V±0.3),48V(60.0V±0.3),60V(65.0V±0.3),72	Waveform THD	≤3%THD								
Dimensions 183*110*60mm 228*173*76mm 300*173*7cmm 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 LCD LCD LCD Input voltage 1 12V/24V/48V/60V/72Vdc 24V/48V/60V/72Vdc 24V/48V/60V/72Vdc Input range 12Vdc(10-15),24Vdc(20-30),48Vdc(40-60),60Vdc(50-75),72Vdc(0-0-90) Undervoltage protection 12V(10.0V±0.3),24V(20.0V±0.3),48V(40.0V±0.3),60V(50.0V±0.3),72V(90.0V±0.3) V/10.0V±0.30 12V(15.0V±0.3),24V(20.0V±0.3),48V(60.0V±0.3),60V(50.0V±0.3),72V(90.0V±0.3) V/10.0V±0.30 12V(12.8V±0.3),24V(25.6V±0.3),48V(60.0V±0.3),60V(55.0V±0.3),72V(78.0V±0.3) No.8A 0.8A 0.8A Overload protection 430% 1.2A 1.2A 0.8A 0.8A 0.8A	Conversion efficiency	90%								
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 LCD LCD Input voltage 1 12V/24V/48V/60V/72Vdc 24V/48V/60V/72Vdc 24V/48V/60V/72Vdc 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) 12V(60.0V±0.3),24V(20.0V±0.3),48V(40.0V±0.3),60V(75.0V±0.3),72V(90.0V±0.3) Over voltage protection 12V(12.8V±0.3),24V(25.6V±0.3),48V(51.0V±0.3),60V(55.0V±0.3),72V(78.0V±0.3) 0.8A 0.8A No-load current 0.80A 1.2A 1.2A 0.8A 0.8A Overload protection ≤130% 1.2A 1.2A 0.8A 0.8A	Cooling method									
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(61.0V±0.3),60V(75.0V±0.3),72V(78.0V±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%	Dimensions									
Output Power 2500W 3000W 4000W 5000W 6000W Display LED LCD LCD Input voltage 1 12V/24V/48V/60V/72Vdc 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) Undervoltage 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) Undervoltage 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) Undervoltage 0.8A	Product weight	1.0kg	2.0kg	3.0kg		3.5kg	4.0kg			
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%	Model(PXFVS-48-	2500W	3000W			5000W	6000W			
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 Power	2500W	3000W	4000W		5000W	6000W			
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%	Display	LED LCD								
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%	Input voltage 1	12V/24V/48V/60V/72Vdc 24V/48V/				60V/72Vdc				
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%	Input range									
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%	Undervoltage protection									
No-load current 0.80A 1.2A 1.2A 0.8A 0.8A Overload protection ≤130%	Over voltage protection									
Overload protection ≤130%	Recovery voltage									
	No-load current	O.80A	1.2A	1.2A		0.8A	O.8A			
Output voltage 110Vac±10% or 220Vac±10%	Overload protection	≤130%								
	Output voltage	110Vac±10% or 220Vac±10%								
Output frequency 50Hz±1Hz or 60Hz±1Hz	Output frequency	50Hz±1Hz or 60Hz±1Hz								
Output waveform Pure sine wave	Output waveform	Pure sine wave								
Overheating protection 80°±5°	Overheating protection	80°±5°								
Waveform THD ≤3%THD	Waveform THD									
Conversion efficiency 90%	Conversion efficiency	90%								
Cooling method Fan cooling	Cooling method	Fan cooling								
Dimensions 360°173°76mm 400°242°88mm 420°242°88mm	Dimensions	360°173°76mm 400°242°88mm 420°242°88mm								
Product weight 4.0kg 7.5kg 8.0kg 9.0kg 10.0kg	Do	4.0ka	7.5kg	8.0kg		9.0kg	10.0kg			







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