



PET Series High Frequency Online UPS

1kVA~3kVA 1:1 PF:1.0



Performance Characteristics

- True double conversion
- Microprocessor control optimizes reliability
- DSP technology guarantees high performance
- Sinus shaped power feed (high-frequency pulse width modulation with IGBTs)
- Output power factor 1.0
- Extremely wide input voltage window of 110 VAC to 300 VAC
- High efficiency up to 95.5%
- 50Hz/60Hz frequency converter mode
- ECO and frequency operating voltage possibilities
- Emergency power off(EPO) function
- Graphic LCD display with interactive multilingual user interface
- Adjustable battery numbers
- Adjustable charging current via LCD panel
- Adjustable charging mode with two stages or three stages
- Charger capacity expansion to 12A for long-run models
- Cold start by battery without grid Input
- Advanced battery charging technology for maximum durability of the battery
- Generator compatible
- Extension slot for SNMP, potential-free contacts, remote panel

Applied Range

IT Network Equipment, Small-scale Servers and Workstations, Switches and Monitoring Devices, ATM Machines, Automated Ticket Vending Machines, Communication Base Stations, Office and Business Equipment, Medical Devices

Series Overview

Prostar PET series is a double conversion online UPS with an output power factor of 1.0. Featuring a compact design and advanced DSP digital control technology, it effectively enhances product performance and system reliability. The ECO mode and frequency conversion operation mode highlight the modern multifunctional demands for uninterruptible power supplies. The PET series UPS is widely suitable for providing secure power supply to critical loads in IT environments, such as workstations, servers, storage systems, and sensitive switches and control systems.



Technical Specification

Model		PET1101	PET1101B	PET1102	PET1102B	PET1103	PET1103B
Capacity		1KVA/1KW		2KVA/2KW		3KVA/3KW	
Battery Voltage		36VDC	24VDC	72VDC	48VDC	96VDC	72VDC
Size (WxDxHmm)		385×143×222		395×143×222			455×190×330
Weight (Kg)		4	8	6	14	6	22
Input	Input Format	L+N+PE					
	Rated Voltage	208/220/230/240VAC					
	Voltage Range	110-300VAC					
	Frequency Range	50/60±6Hz(Default), ±10Hz(Settable)					
	Power Factor	≥0.99					
	Harmonic Distortion(THDi)	≤3 % THD (Linear Load); ≤5 % THD (Non-linear Load)					
Output	Output Format	L+N+PE					
	Rated Voltage	208/220/230/240VAC					
	AC Voltage Regulation	±1%					
	Frequency Range	AC Mode:same as AC, Battery Mode:50/60Hz±1%					
	Harmonic Distortion(THDi)	≤1% THD (Linear Load); ≤3% THD (Non-linear Load)					
	Power Factor	1					
	Overload Capacity	AC Mode: 30min@102%~110% load 10min@110%~130% load 30s@130%~150% load 200ms@>150% load			Battery Mode: 1min@102%~110% load 10s@110%~130% load 3s@130%~150% load 200ms@>150% load		
Wave Form	Pure Sine Wave						
Transfer Time	AC Mode to Battery Mode	0ms					
	Inverter to Bypass	4ms					
Efficiency	AC Mode	94.5%@220VAC			95.5%@220VAC		
	Battery Mode	88.5%	87.5%	91.5%	89.5%	91.5%	91.5%
Battery	Battery Type	Depending on applications					
	Battery Numbers	3	12V7Ah×2	6	12V7Ah×4	8	12V7Ah×6
	Charging Current	5A(Default), 1-12A(Adjustable)	1A(Default), 1-4A(Adjustable)	5A(Default), 1-12A(Adjustable)	1A(Default), 1-4A(Adjustable)	5A(Default), 1-12A(Adjustable)	1A(Default), 1-4A(Adjustable)
	Charging Mode	Two-stage / Three-stage charging					
Display	LCD Display	Working mode/load/input/output					
Environment	Operation Temperature	0~40°C					
	Storage Temperature	-15~60°C (Battery:0~40°C)					
	Relative Humidity	20%~95%(No condensation)					
	Altitude	≤1000m					
	Noise	<45dB@1 Meter					
Management	RS232/USB	Windwos 2000/2003/XP/Vista/2008/7/8/10, Linux and MAC					
	Optional SNMP	Power management from SNMP manager and web browser					