

JALPOWER

JP7745



JP7745 series three phase double conversion on line UPS

Jalpower JP7745 three phase in , single phase out double conversion on line UPS systems provide all features needed from a quality three phase UPS to meet virtually all users demands. The JP7745 is transformer-less , high -efficiency design with low THD(Total harmonic distortion) which take less space and each to install. In addition , the redundancy design provides up to 3 units in a flexible and cost-effective configuration. Every JP7745 is driven by full time Digital Signal Processor provide world-class standard for all industry applications needs.

Product Feature

- **Double Conversion**
The UPS provided clean AC power with voltage and frequency independent from the utility. On-Line technology completely regenerates utility power to correct electrical disturbances in the mains.
- **Emergency Shutdown Control**
Through EPO allows users to shut down the UPS completely in an emergency situation to ensure a safe operating environment.
- **Smart Fan Control**
The UPS forced air cooling by internally mounted fans with speed control that is based on load percentage.
- **Smart Digital Signal Processor**
The JP7745 full-time DSP control system provides a pure sine wave by using patented inverter control technology with power scalability capability.
- **High Input Power Factor and low THD**
The JP7745 meets today's industry standard for energy savings and low reflected harmonics and THD(<5%)
- **Communication option slot**
Accessory slot accepts an optional internal SNMP/Web card for remote shutdowns, reboots and much more. Use card with optional environmental conditions or to control alarm/security systems.
- **Extended Runtime Capability**
All models feature a robust internal battery capability. Additional internal batteries can be added to provide extended runtime. If more runtime is required , an optional battery compartment can be added and configured with additional batteries.
- **Communication software.**
In the event of an extended power outage , Jalpower communication software implements graceful unattended shutdown to ensure that no information is lost and recovery time is minimized.
- **State-of-the-art LCD display**
An State-of-the-art LCD display designed let you access more precise information that provided by LEDs alone. It indicates a variety of UPS operational modes and conditions , allowing you to react more rapidly to an alert before your systems are put at risk.
- **Compatibility with Generators**
Jalpower JP7745 series UPS is able to compatible with most of Generators which provided best cost saving solution if you would like to keep providing power output without lots of batteries.
- **DC start Capability**
Enables to turn on UPS without connecting to power utility.
- **Smart Battery management**
Our smart battery management feature prevent deep discharge battery during light loading.
- **Large charging current**
Large charging current provide faster charging capabilities and provide enough charging current while connect to external battery compartments.
- **USB communication interface**
Build-in communication port provide shutdown commands and reporting to a PC or workstation. By using Jalpower monitoring software to automatically save open files and shutdown equipment during an extended blackout.

Application

- Small network server and other IT equipment

Feature

- High frequency and double conversion on-line technology
- DSP control
- Advanced PFC
- Wide input voltage range
- Parallel Redundancy capacity
- LCD display
- Advanced Battery Management
- Automatically charging in UPS off mode
- Lightning and surge protection
- Short circuit and overload protection
- Smart fan operation
- EMI/RFI noise filter
- Smart communication port
- Optional SNMP card

Specification

Model							JP7745						
	10K S/L		15K		20K		RM10KS/L		RM15K		RM 20K		
Capacity	10KVA/9KW		15KVA/13.5KW		20KVA/18KW		10KVA/9KW		15KVA/13.5KW		20KVA/18KW		
INPUT													
Voltage(Vac)	266V~475V												
Bypass voltage(Vac)	180V~260V												
Frequency(HZ)	45~66 Automatically select synchronization range according to power frequency												
Phase	3φ4W+PE												
Power Factor	Full load>=0.98												
Battery voltage(VDC)	192												
Description on Charger(Amp)	2A/4A		4A		4A		2A/4A		4A		4A		
Battery type	16*7Ah 12V /External		External		External		16*7Ah /External		External		External		
OUTPUT													
Power factor	0.9												
Voltage(V)	200/208/220/230/240V +/- 1%												
Frequency(HZ)	50/60 +/- 0.05% (battery mode)												
Transfer time(ms)	0												
Efficiency	>=93%												
Waveform	Sine Wave Linear Load THD<3%; Non-linear Load THD<5%												
Overload	105%~129% full load keep 60s; 130%~150% load keep 30s; Above 150% load keep 300ms												
Crest factor	>3:1												
OTHER													
DC start	Yes												
Backup time	Long backup time, can be extened freely												
Charge recovery time	Determined by the extended battery capacity												
Communication function	RS232 connector, support for monitor software (USB Port optional)												
SNMP(optional)	Can be network monitored by SNMP adapter												
Display	LED display UPS work status, LCD display UPS work parameters												
Noise (dB)	<58(1meters)						<55(1meter)						
Parallel function	Need to assemble parallel card												
Alarm	Battery low-voltage, mains abnormal, overload, UPS fault, over temperature protection												
Protection	Input over-voltage protection, battery under-voltage protection, overload protection, short circuit protection, over temperature protection												
Working temperature (°C)	0~40												
Humidity	0~95%, Non condensing												
Size(W×D×H) (mm)	248*500*616						612*447*130(3U)			660*440*260(6U)			
Weight(KG)	64 / 30		36		39		57 / 21		37		39		

Note:

- 1、"L" is long backup UPS. "S" is standard UPS;
- 2、Because the products are continuously improved, please contact the company, or dealer to inquiry the latest specification.