



JP5535 series Double Conversion Online UPS 1-3K RM

Jalpower JP5535 double conversion on line UPS systems provide true on line production in the smallest cabinets in their capacity range. Double conversion technology continually converts incoming AC power into filtered DC power. Constant on line operation completely isolates sensitive equipment. The convertible tower/rack design offers maximum flexibility , enabling UPS integration into wide variety of environments. The JP5535 is an idea power protection solution for servers , networks , Telecommunications , industry equipments and manufacturing processes.

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(optional)**
 Through EPO allows users to shut down the UPS completely in an emergency situation to ensure a safe operating environment optional.
- 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 JP5535 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 JP5535 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 JP5535 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 & Front Maintenance Online**
 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.

Specification

	JP5535 RM1K	JP5535 RM1KL	JP5535 RM2K	JP5535 RM2KL	JP5535 RM3K	JP5535 RM3KL
INPUT						
Cold Start	YES, default frequency=50Hz or settable					
Acceptable Input Voltage	110VAC~288VAC 100% load@>176VAC 80% load@>154VAC 70% load@>132VAC 50% load@>110VAC					
Phase	Single phase in, single phase out (220VAC/230VAC/240VAC)					
Transfer Voltage Range	110VAC 121VAC 288VAC 281VAC					
Input Current	-Rating(nominal input voltage) 4.8A 9.6A 14.4A					
Input Power Factor	≥0.97					
Input Connection	IEC C14		IEC C20		IEC C20	
Input Frequency Range	40~70Hz					
OUTPUT						
Frequency adaptable	Settable					
Power						
-Power(kVA) max	1		2		3	
-Power(kW) max	0.9		1.8		2.7	
Output Voltage						
-Waveform(Bat. Mode)	Pure Sine Wave					
-Nominal voltage	220/230/240VAC					
-Voltage regulation	± 1 %					
-Transient response	≤ 5% (0% - 100% -0%)					
-Transient recovery	≤ 30ms (0% - 100% -0%)					
-Voltage distortion	≤ 2% THD, linear load					
	≤ 5.5% THD, non-linear load		≤ 5% THD, non-linear load		≤ 5% THD, non-linear load	
Output Frequency						
-Synchronization range	±5Hz default					
-Battery mode	(50±0.1) Hz default					
Transfer Time						
-Line mode to battery mode	0					
Efficiency						
-Line mode with battery full charged	89%@100% load, 87%@50% load		91%@100% load, 88%@50% load		90%@100% load, 90%@50% load	
-ECO mode	94.0%		97.0%		97.0%	
-Battery mode	83%@100% load, 84%@50% load		87%@100% load, 88%@50% load		87%@100% load, 89%@50% load	
Noise(1m away)	<45dB@<60%load, <50dB@>60%load		<50dB@<60%load, <55dB@>60%load		<50dB@<60%load, <55dB@>60%load	
Overload Capability(Inverter)	105%~130%: Transfer to bypass after 1 mins; 150%: Transfer to bypass after 30s					
Overload Capability(Battery Mode)	105%~130%:shutdown after 10s; 150%:shutdown after 5s					
Overload Capability (Bypass Mode)	<130%: Long time; >130%&<150%:Shutdown after 10min; >150%&<180%:Shutdown after 5 seconds					
Output Connection	(6) IEC C13		(6) IEC C13		(6)IEC C13+(1)IEC C19	
Crest Ratio	3:1					
BATTERY						
Rating/Type	12VDC/7Ah	Depend on the capacity of external batteries	12VDC/7Ah	Depend on the capacity of external batteries	12VDC/7Ah	Depend on the capacity of external batteries
Quantity	3		6		8	
DC Voltage	36VDC		72VDC		96VDC	
Back-up Time	6mins @80% load	Depend on the capacity of external batteries	6mins @80% load	Depend on the capacity of external batteries	5.5mins @80% load	Depend on the capacity of external batteries
Battery-Low Voltage	33VAC~35VDC depending on load		66VDC~70VDC depending on load		88VDC~94VDC depending on load	
Backery Maintenance	Front Maintenance Online					
Charger						
-Charging voltage	float:40.5VDC/boost:41.4VDC		float:81VDC/boost:82.8VDC		float:108VDC/boost:110.4VDC	
-Charging current (max)	1A	8A or 4A	1A	8A or 4A	1A	8A or 4A
-Charging time	8h recharge to 90%	Depend on the capacity of external batteries	8h recharge to 90%	Depend on the capacity of external batteries	8h recharge to 90%	Depend on the capacity of external batteries
Leakage current	<1mA		<1mA		<1mA	
INDICATOR & ALARM						
-Display	LED+LCD					
-Battery discharge	Sounding every 2 minutes					
-Low battery	Sounding every 6 seconds					
-Overload	Continuous beeping					
-Fault	Continuous beeping					
-Input voltage abnormal	Sounding every 2 minutes					
-Warn	Sounding every 6 seconds					
INTERFACE						
-Smart RS232	Standard Cable support Power Monitor Software					
-USB	B-type USB port					
-Intelligent slot	For relay card or SNMP card					
-SNMP card(option)	Power Management from SNMP Manager and Web Browser					
-Intelligent Kits (option)	DB9 port, dry contact card					
MECHANICAL						
-WxDxH (mm)	438*426*86(2U)	438*426*86(2U)	438*476*173(4U)	440*476*86(2U)	438*476*173(4U)	438*476*86(2U)
-WxDxH (mm)(shipment)	580*565*250	580*565*250	580*660*335	580*615*250	580*660*335	580*615*250
-Net Weight (KG)	13.5	8	28	9.5	33	10.5
-Package Weight(KG)	16	11	31	12.5	36	13.5
-Rack / Tower	Rack and Tower					
Color	Black default					

*Products specifications are subject to change without further notice.