



JP5535 series Double Conversion On Line UPS RM6-10KVA

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.
- **High power factor**
Jalpower JP5535 UPS have high power density,output power factor up to 1. (6K-10K PF=1)
- **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.
- **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.
- **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.

Specification

| | JP5535 RM6K | JP5535 RM6KL | JP5535 RM10K | JP5535 RM10KL |
|--|--|--|----------------------|--|
| INPUT | | | | |
| Cold Start | YES. Default output frequency will be 50Hz or settable | | | |
| Acceptable Input Voltage | 110VAC~288VAC | | | |
| | 100% load@>176VAC | | | |
| | 90% load@>154VAC | | | |
| | 75% load@>132VAC | | | |
| | 50% load@>110VAC | | | |
| Phase | | | | |
| Single phase in, single phase out | | | | |
| Transfer Voltage Range | 220VAC/230VAC/240VAC | | | |
| -Line low transfer | 110VAC | | | |
| -Line low recovery | 121VAC | | | |
| -Line high transfer | 288VAC | | | |
| -Line high recovery | 281VAC | | | |
| Input Current | | | | |
| -Rating(full charging) | 30A/220V | 34A/220V | 49A/220V | 53A/220V |
| Input Power Factor | ≥0.99 | | | |
| Input current distortion | <4% | | | |
| Input Frequency Range | 40~70Hz | | | |
| OUTPUT | | | | |
| Frequency adaptable | Settable | | | |
| Power | | | | |
| -Power | 6KVA | | 10KVA | |
| -Power(kW) | 6KW | | 10KW | |
| Output Voltage | | | | |
| -Waveform(Bat. Mode) | Pure Sine Wave | | | |
| -Nominal voltage | 220VAC/230VAC/240VAC | | | |
| -Voltage regulation | ± 1 % | | | |
| -Voltage distortion | ≤1% THD, linear load ; ≤ 5% THD, non linear load | | | |
| Output Frequency | | | | |
| -Synchronization range | ±5Hz default, settable | | | |
| -Battery mode | (50±0.1) Hz default | | | |
| Transfer Time | | | | |
| -Line mode to battery mode | 0ms | | | |
| -Inverter to bypass | 0ms | | | |
| Efficiency | | | | |
| -Line mode with battery full charged | 94.6%@100% load, 95%@60% load | | | |
| -ECO mode | 98.0% | | | |
| Noise(1m away) | | | | |
| <58dB | | | | |
| Overload Capability(Inverter) | | | | |
| 105% to 110% : Transfer to bypass after 10 mins. | | | | |
| 111% to 125% : Transfer to bypass after 1 mins. | | | | |
| 126% to 150%: Transfer to bypass after 30s | | | | |
| Overload Capability (Bypass Mode) | | | | |
| less than 125%: long time running ; 126% to 130% :Shutdown in 5 mins | | | | |
| 131% to 150% :Shutdown in 1 mins ; > 150% :Shutdown in 200 ms | | | | |
| Crest Ratio | 3:1 | | | |
| BATTERY | | | | |
| Rating/Type | 12VDC/7Ah | Depend on the capacity of external batteries | 12VDC/9Ah | Depend on the capacity of external batteries |
| Quantity | 16PCS default, 20PCS | 16/18/20PCS settable | 16PCS default, 20PCS | 16/18/20PCS settable |
| DC Voltage | 192VDC default, settable | | | |
| Charger | | | | |
| -Charging current (max) | 1A, settable | 5A max, settable | 1A, settable | 5A max, settable |
| -Float Charging Voltage | 2.25V/cell default, settable via software | | | |
| -Boost Charging Voltage | 2.25V/cell default, settable via software | | | |
| -Charging time | 8h recharge to 90% | Depend on the capacity of external batteries | 8h recharge to 90% | Depend on the capacity of external batteries |
| Leakage current | <3mA | | | |
| Indicator & Alarm | | | | |
| -Display | LED+LCD | | | |
| Interface | | | | |
| -Smart RS232 | Standard Cable support Power Monitor Software | | | |
| -EPO | NC | | | |
| -USB | B-type USB port | | | |
| -RS485(option) | Installed in the intelligent slot | | | |
| -SNMP(option) | Power Management from SNMP Manager and Web Browser | | | |
| -DB9 port, dry contact(optional) | DB9 port, dry contact | | | |
| Accessories | | | | |
| -parallel | 4 units paralleled | | | |
| -Super charger (12A) | digitally controlled, 4-steps charge, settable, @PF0.9 | | | |
| Mechanical | | | | |
| -WxDxH (mm) | 440*660*172 | 440*550*86 | 440*660*172 | 440*550*86 |
| -Net Weight (KG) | 58 | 16 | 62 | 18 |
| -Package Weight (KG) | 63 | 18 | 68 | 21 |
| -Rack / Tower | Rack/Tower | | | |
| Color | Black default | | | |