

JALPOWER

JP5535



JP5535 series Double Conversion On Line UPS 6-20KVA

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; 15K-20K PF=0.9)
- **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 remove 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 (optional)**
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 6K	JP5535 6KL	JP5535 10K	JP5535 10KL
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	200VAC/208VAC(0.9), 220VAC/230VAC/240VAC(1)			
-Line low transfer	110VAC			
-Line low recovery	121VAC			
-Line high transfer	288VAC			
-Line high recovery	281VAC			
Input Current				
-Rating(nominal input voltage)	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, 200VAC/208VAC(PF=0.9)			
-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	16-20PCS settable	16PCS default, 20PCS	16-20PCS settable
DC Voltage	192VDC default, settable			
Back-up Time	3mins @5kW	Depend on the capacity of external batteries	2mins @8kW	Depend on the capacity of external batteries
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 INVT Power Monitor Software			
-EPO	NC			
-RS485(option)	Installed in the intelligent slot			
-SNMP(option)	Power Management from SNMP Manager and Web Browser			
Option				
-Intelligent Kits	DB9 port, dry contact			
-parallel	4 units paralleled			
-Super charger (12A)	digitally controlled, 4-steps charge, settable, @PF0.9			
-USB	B-type USB port			
-SNMP Kits	Pluggable type			
Mechanical				
-W×D×H (mm)	190*426*705	190*426*336	190*485*705	190*485*336
-Net Weight (KG)	56	14	66	16
-Package Weight (KG)	61	15	73	17
Color	Black default			

Specification

	JP5535 15KL	JP5535 20KL
INPUT		
Cold Start	YES, default frequency=50Hz or settable	
Acceptable Input Voltage	50%~125%(220VAC/230VAC/240VAC)	
	100% load@80%~125%; 90% load@70%~80%	
	80% load@60%~70%; 65% load@50%~60%	
Phase	Single phase in, single phase out	
Transfer Voltage Range		
-Line low transfer	110VAC/115VAC/120VAC	
-Line low recovery	116VAC/122VAC/127VAC	
-Line high transfer	275VAC/288VAC/300VAC	
-Line high recovery	268VAC/279VAC/291VAC	
Input Power Factor	≥0.98	
Input Frequency Range	40Hz - 70Hz	
Generator	Support Any Generator.	
OUTPUT		
Frequency adaptable	Settable	
Power		
-Power(kVA) max	15	20
-Power(kW) max	13.5	18
Output Voltage		
-Waveform	Pure sine wave	
-Nominal voltage	220/230/240VAC	
-Voltage regulation	± 1 %	
-Transient response	≤5% (50% - 100% -50%)	
-Transient recovery	≤ 15ms(0% - 100% -0%)	
-Voltage distortion	≤1% THD, linear load ; ≤5% THD, non-linear load	
Output Frequency		
-Synchronization range	settable, ±3Hz default	
-Slew rate	0.5~5Hz/s, 2Hz/s default	
-Battery mode	(50±0.05) Hz	
Transfer Time		
-Line mode to battery mode	0	
-Inverter to bypass	0	
Efficiency		
-Line mode with battery full charged	93.5%	
-ECO mode	98.0%	
-Battery mode	92.0%	
Noise	53dB@<70%load, <66dB@>70%load; 1m away	
Overload Capability (Line Mode)	110%: Transfer to bypass after 10 mins ; 130%: Transfer to bypass after 1 min 150%: Transfer to bypass after 30s, shutdown after 1 min.(Line mode)	
Overload Capability (Battery Mode)	110%: Shutdown after 10mins (Battery mode) ; 125%:Shutdown after 10s(Battery mode) >125%: Shutdown after 1s (Battery mode)	
Crest Ratio	3:1	
BATTERY		
Rating/Type	Depend on the capacity of external batteries	Depend on the capacity of external batteries
Quantity	16	
DC Voltage	192VDC	
Back-up Time	Depend on the capacity of external batteries	Depend on the capacity of external batteries
Battery-Low Voltage	(176±3)VDC	
Charger		
-Charging voltage	(220±1%)VDC	
-Charging current (max)	5A	
-Charging time	Depend on the capacity of external batteries	
Leakage current	<1mA	
INDICATOR & ALARM		
Display	LED+LCD	
	Sounding once per second	
Fault	Continuous beeping	
INTERFACE		
Smart RS232	Standard Cable support Power Monitor Software	
B type USB(optional)	Standard Cable support Power Monitor Software	
EPO	Remoted EPO function for customer. Short to activate	
Dry Contactor(optional)	DB9 type and phoenix terminal type for selection. (6 output ports, 1 input port) UPS fault alarm, general alarm, bypass mode, UPS normal mode, battery low voltage alarm, utility failure alarm, remoted shutdown.	
SNMP(optional)	Power Managment from SNMP Manager and Web Browser	
Option	SNMP, USB, Dry Contactor(AS400), Parallel Kit, ECO Kit, External Battery Cable(standard model), Maintenance Bypass, Maintenance Bypass Detecting Kit	
Reserved function	Can be designed as different function according to customer's application	
MECHANICAL		
W×D×H (mm)	250*562*770	
Net Weight (KG)	33	
Color	Black	