

Power Solutions

Ensuring Seamless Growth

UPS (1-10 KVA)



UPS (15-40 KVA)



UPS (60-275 KVA)



— On-Line UPS (40KVA to 300KVA) —



On-Line UPS

On-Line UPS deliver pure sine wave power and the highest level of power protection available to sensitive servers and network equipment. Double-conversion technology continually converts incoming AC power into filtered DC power, and then re-synthesizes it back into AC power with a pure sine wave. Constant on-line operation completely isolates sensitive equipment from every power problem on the AC line, plus reliable battery backup keeps network running even in the case of a blackout.

POWER PACKED FEATURES:

- Advanced operation mode
- DSP controlled, double CPU controlled
- Manual maintenance bypass
- Wide input voltage range
- High output power factor
- Strong environmental adaptability. Advanced Battery Management
- N+X parallel redundancy
- Compatible with generator
- Strong shock resistance ability
- EPO function
- Full protection against over-discharge, overcharge, overload.
- 12 Pulse rectifier (optional)
- Inbuilt Isolation Transformer (optional)
- LBS function: LBS function supports the two independent input to improve the reliability of the system.
- High reliability: True On-Line static bypass technology, to provide strong overload and fault protection device. Internal manual maintenance bypass, further improve the reliability of continuous operation of the load.
- Network management humanity
- Communicate with PC by Rs232: Use SNMP adapter, UPS can realize remote network management function

On-Line UPS

- Optimized battery performance:
 - Intelligent battery management function (ABM)
 - Automatically convert to constant current constant voltage charging technology.
- Parallel redundancy:
 - Can parallel 8 units UPS: Parallel UPS units can share a battery pack: Non-fixed master/slave parallel.

APPLICATIONS & USERS:

- Large/Medium Data Centers/Offices
- Telecommunication Systems
- Medical Equipment
- Air Traffic Control Systems
- Satellite Systems
- Industrial Process Equipment/Machines and Automation
- General Laboratory Equipment
- Studio, Printing and Media Equipment

TECHNICAL SPECIFICATIONS ON-LINE UPS WITH ISOLATION TRANSFORMER:

Rating	40 KVA	60 KVA	80 KVA	100 KVA	120 KVA	160 KVA	200 KVA	250 KVA	300 KVA
Battery DC Voltage (VDC)	384/396/408					348/384			
	or any DC voltage as per requirement								
INPUT									
Voltage range	(380 VAC/ 400 VAC/ 415 VAC) \pm 25% 3 phase 4 - wire and ground								
Frequency range	50/60 Hz \pm auto-sensing								
Power factor	0.9/0.99 with filter								
OUTPUT									
Voltage range	380/400/415 VAC \pm 1%								
Power factor	0.8 (lag) Std., 0.9 optional								
Distortion	Linear load 3%, Non-linear <5%								
Overload capacity	110% for 1hr., 125% for 10 min., 150% for 1 min. and 200% for 1 sec.								
Crest factor	3:1 (max)								
Efficiency	91%			92%			93%		

BYPASS									
Rated voltage	380/400/415 VAC								
Bypass voltage range	Upper limit: +10%, +15%, +20% can be set, Lower limit: -10%, -20%, -30%, -40% can be set								
Rated frequency	50/60 Hz (auto sensing)								
Bypass frequency range	± 2% (±10% ±20% can be set)								
Transfer time to bypass	0 ms								
Overload capacity	15 times the rated current (10 ms), 5 times the rated current (5s)								
PANEL DISPLAY									
LED	Indicate the status of input, inverter, bypass, battery, output								
LCD	Display Input/ Output voltage, Frequency, Power, Power factor, Battery voltage, Current, Battery status, Load percentage, UPS status, History record, Set parameters.								
COMMUNICATION									
Interface	Dry contact RS232, RS485, SNMP Card								
ENVIRONMENT									
Operating Temperature	0-40°C								
Humidity	0-95°C % Non-condensing								
Storage Temperature	-25°C to 55°C								
Noise	<65dB (1m away from the unit)			<68dB (1m away from the unit)			<72dB (1m away from the unit)		
PHYSICAL CHARACTERISTIC									
Net weight (kg) (Approx.)	346	490	575	600	755	980	1190	1200	2350
Dimension (WxDxH) mm (Approx.)	555x720x1220	800x740x1400		1070x750x1400		1600x1000x1800		2200x1000x2000	
OPTIONS	Harmonic filter, SNMP adapter, LBS cable, Battery Temperature Sensor, Battery Ground Fault Detection, Bypass current sharing inductor								
Satisfy the international EMC safety requirement									
EMI	IEC62040-2: Output requirements of EMC on UPS (>16A)								
EMS	IEC61000-4-2 (ESD): Anti-electrostatic discharge								
	IEC61000-4-3(RS): Anti-interference of radiation								
	IEC61000-4-4 (EFT): Anti-interference of power pulse								
	IEC61000-4-5 (Surge): Anti-lighting/surging								
Standard	YD/T1095-2008								

*In the interest of continuous product improvement, all specifications are subject to change without notice.

RS Power Systems Pvt. Ltd.