



Power Solutions

Ensuring Seamless Growth



40 - 300 KVA
(PP 33 Series)



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 up to 6 units
- Compatible with generator
- Strong shock resistance ability
- High MTBF (>2,00,000 h)
- Low MTTR (<0.5 h)
- Full protection against over-discharge, overcharge, overload.
- 12 Pulse rectifier (optional)
- Inbuilt Isolation Transformer for unbalanced load (Copper Winding)
- 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.

On-Line UPS

- Optimized battery performance:
- Advanced battery management System (ABMS)
- Automatically convert to constant current constant voltage charging technology.
- Parallel redundancy:

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

PP 33 SERIES (40-300 KVA)

TECHNICAL SPECIFICATIONS

[illegible]

| | | | |
|---------------------------------|--|----------------------------------|----------------------------------|
| Power Factor | 0.8/0.9 to unity | | |
| Total Harmonic Distortion (THD) | Linear Load <3% , Non-Linear Load <5% | | |
| Overload capacity | <ul style="list-style-type: none">105 ~110% for 1 Hour110 ~125% for 10 min. | | |
| Crest Factor | 3:1 | | |
| Efficiency | ≥ 90% | | |
| Waveform | True Sine Wave | | |
| 4. 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 | >5 ms | | |
| Overload Capacity | 15 times the rated current (10 ms), 5 times the rated current (5s) | | |
| 5. ENVIRONMENT | | | |
| Operating Temperature | 0 – 40°C | | |
| Humidity | 0 – 95° C % Non – condensing | | |
| Storage Temperature | -25°C to 55°C | | |
| Altitude | ≤1000 m | | |
| Noise | <55 dB (1 m away from the Unit) | <60 dB (1 m away from the Unit) | <65 dB (1 m away from the Unit) |
| 6. GENERAL | | | |
| Protection | <ul style="list-style-type: none">OverloadShort circuitOver and under voltage.Manual and bypass facilitiesBattery Low voltageOver temperatureFan failure | | |
| Indicators | <ul style="list-style-type: none">Charger On/ Mains presence.Mains Normal/ Abnormal.Load on bypass.UPS On, UPS Trip.Audible alarm for mains failure, battery low pre- alarm, battery low trip and inverter trip. | | |
| Meters | <ul style="list-style-type: none">AC Input/ Output voltageAC Output currentBattery voltageBattery charging & discharging currentOutput frequency | | |
| Degree of protection | IP20/IP21 | | |
| 7. 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. (Minimum 5 Inch LCD touch screen) | | |
| 8. COMMUNICATION | | | |
| Interface | Dry contact RS 232, RS485, SNMP Card(Optional) | | |
| Options | Harmonic filter, SNMP adapter, LBS cable, Battery Temperature Sensor, Battery Ground Fault Detection, Bypass current sharing inductor. | | |
| 9. Certifications | | | |
| ISO | ISO 9001:2015, ISO 14001:2015 | | |
| Health & Safety | OHSAS 45001, RoHS Compliant | | |
| Standards | IEC 62040-1, IEC 62040-2 & IEC 62040-3 : 2011 and CE Compliant | | |

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

RS Power Systems Pvt. Ltd.

Unit 1 : H1-85, RIICO Industrial Area, Mansarovar, Jaipur-302020 | Tel : 0141-2396550, 2396543

Unit 2 : Plot No. 420, GAT No. 255/A, Jyotiba Nagar Road, Talawade, Village Talawade, Tehsil Haveli, Distt. Pune – 412114

Email : rspower@rspowerindia.com | www.rspowerindia.com