

GREENLINE SERIES

Single Phase Unit 7.5 KVA

On-line protection for Computer Servers

The Greenline Series is the mighty turbo in the single phase ONLINE family of uninterruptible power supplies by UNILINE Energy. The Green Line Series provides reliable & dependable protection to high-end applications and is extensively equipped to master all eventualities & contingencies.

Green Line Series :

- True on-line DSP based double conversion technology with Integrated Static Bypass mechanism.
- In normal operation, the Green Line Series converts the mains AC voltage into DC voltage which supplies a battery and an inverter with energy.
- The inverter generates a sine wave AC voltage which is permanently available at the output.
- If and when power problems strike, the battery delivers the required power to the inverter.
- The additional Bypass system integrated into the UPS device guarantees an unprecedented level of power supply security.
- In overload conditions the Bypass system automatically switches mains power directly through to the user.
- The module design improves reliability of the UPS, also simplifies service maintenance

Green Line's outstanding features :

- Pure sine wave output
- LCD display design
- Microprocessor DSP control guarantees high reliability
- Adopting high frequency full bridge topology for high steady performance
- High input power factor correction
- Selectable various output range and operating mode
- Cold start function / Manual Bypass / Input MCB
- Inbuilt static bypass enhance better protection for critical load
- Built-in dry contact RS-232/EPO communication port
- SNMP allows for web-based remote monitoring management
- IP 20 Protection
- Enable to extend runtime with scalable external battery pack
- Overload, short-circuit, surge protection
- Generator Compatibility
- Compact size with high overall efficiency
- Isolation Transformer (Optional)
- ECO Mode
- IGBT based rectifier & inverter



Server



Network



Security



Medical



Education

GREENLINE SERIES

Single Phase Unit 7.5 KVA

| TECHNICAL SPECIFICATIONS | | |
|--------------------------|---|--|
| | MODEL | GL7500 |
| POWER | CAPACITY | 7.5 KVA / 7500W |
| INPUT | Input System | Single Phase & Earth Ground |
| | Rated Voltage | 230 V AC |
| | Voltage Range | 160V to 300 V |
| | Frequency Range | 45 Hz - 70 Hz |
| | Power Factor | ≥ 0.99 (with full linear load) |
| | Voltage Range of Bypass | 230 V AC ± 10 % (Adjustable) |
| | Output System | Single Phase & Earth Ground |
| OUTPUT | Rated Voltage | 208 / 220 / 230 / 240 V AC (+/-2%) |
| | Power Factor | 1.0 |
| | Waveform | Sinusoidal |
| | Inverter Efficiency | 0.93 |
| | Overall Efficiency | ≥ 93% (100% load) |
| | Frequency | 50 / 60 Hz +/- 0.1% |
| | Crest Factor | 3 : 1 |
| | Overload Capacity | 110% - 130% for 5 minutes / 131% - 150% for 1 minute, > 150% - sudden trip |
| | THDi | < 5% at full Linear Load |
| | Transfer Time | 0 ms (Normal mode to Battery mode), 5ms (Normal mode to Bypass mode). |
| | Battery Type | Sealed Maintenance Free (SMF) (12V) |
| | Batteries Voltage | 240 V DC |
| | Charge Current / Additional Charging Current (Optional) | 4A (2 Nos.) / 4A (2 Nos.) |
| | Backup Time | Dependent on the Capacity of Batteries |
| | Battery Charge Time | Charger to 90 % Battery Capacity in 3 Hours (Standard) |
| | Communication | USB, SNMP, MODBUS, Dry Contact, RS232 |
| | Protections | Input low, Input high, Output low, Output high |
| | LED Display | Information for Load / Battery / Input / Output / Operating Mode |
| | Audible Alarm | Actively Audible Alarm for Utility Failed / Battery Low / Overload Condition |
| | Indicator | Load Indication, Load on Battery, Low Battery, Mains On, Overload |
| ENVIRONMENTAL | EPO | Yes |
| | Noise Level | <51dB @ 1 Meter |
| | Operating Temp. | 0 - +40°C |
| | Storage Temp. | -20°C ~ 55°C |
| | Relative Humidity | 0 ~ 95 % Humidity, Non - Condensing |
| | Operating Elevation | 2 ,000 Meters |

OUR OTHER PRODUCTS :-

• ON LINE UPS UPTO 1800 KVA • LINE INTERACTIVE UPS UPTO 3 KVA • SOLAR ENERGY SOLUTION UPTO 1000 KVA • SERVO STABILIZER UPTO 2000 KVA



EN 50091
for
Safety & EMC



ALL INDIA SALES & SERVICE NETWORK • 17 REGIONAL OFFICES • 140 SERVICE LOCATIONS

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