

GREENLINE SERIES

Rack Mount Modular UPS Systems

On-line protection for Computer Servers

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

Green Line Series :

- True on-line 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.
- Using module design to improve reliability of the UPS, also simplify service maintenance.

Green Line's outstanding features :

- Pure sine wave output
- ECO mode to save energy
- LCD display design
- Microprocessor 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
- Inbuilt static bypass enhance better protection for critical load
- Built-in dry contact / RS-232 / EPO communication port
- SNMP allows for web-based remote or monitoring management (Optional)
- USB communication port (Optional)
- Enable to extend runtime with scalable external battery pack
- Overload, short-circuit, and overheat protection
- Generator Compatibility
- Compact size with high overall efficiency
- Hot-swappable battery design
- Isolation Transformer (Optional)



Also available with Rack in
Various Configurations



Server



Network



Security



Medical



Education

GREENLINE SERIES

Single - Phase Unit | KVA to 10 KVA

TECHNICAL SPECIFICATIONS

| | MODELS | GLR 1000 VA | GLR 2000 VA | GLR 3000 VA | GLR 5000 VA | GLR 6000 VA | GLR 10000VA | |
|-----------------------------|----------------------------------|---|--|-----------------|-------------------|--------------------|---------------------|--|
| POWER | | 1KVA / 900W | 2KVA / 1800 W | 3KVA / 2700 W | 5KVA / 5000 W | 6KVA / 6000 W | 10KVA / 10000W | |
| INPUT | Input System | Single Phase & Earth Ground | | | | | | |
| | Rated Voltage | 230V AC | | | | | | |
| | Voltage Range | 120V to 300V(0 – 50% load), 170V to 280V (100% load) | | | | | | |
| | Frequency | 50 / 60 Hz +/- 5 Hz (Auto Sensing) | | | | | | |
| | Power Factor | > 0.99 @ Full Load | | | | | | |
| | Voltage Range of Bypass | 230V AC ± 10 % (Adjustable) | | | | | | |
| | Output System | Single Phase & Earth Ground | | | | | | |
| OUTPUT | Rated Voltage | 220 / 230 / 240V AC (+/-1%) | | | | | | |
| | Power Factor | 0.9 For 1KVA , 2KVA , 3KVA and Unity For - 5KVA ,6KVA , 10KVA | | | | | | |
| | Waveform | Sinewave | | | | | | |
| | Distortion | < 3% | | | | | | |
| | Efficiency | 90% for 1KVA ,2KVA ,3KVA & 94% for 5KVA ,6KVA & 10KVA | | | | | | |
| | Normal Mode Frequency | 45 – 55 Hz (adjustable) | | | | | | |
| | Battery Mode Frequency | 50 Hz + 0.1 Hz | | | | | | |
| | Inverter Overload Capacity | 110% for 5 minutes / 150% for 5 second | | | | | | |
| | Output Voltage Distortion | <3% for Linear Load, <6% for Non-Linear Load | | | | | | |
| | BATTERY | Transfer Time | 0 ms (Normal mode to Battery mode), 5ms (Normal mode to Bypass mode), | | | | | |
| Crest Factor | | 3 : 1 | | | | | | |
| Batteries Voltage | | 1KVA -36V | 2KVA -72V /96V | 3KVA -72V / 96V | 5KVA - 192V /240V | 6KVA - 192V / 240V | 10KVA - 192V / 240V | |
| Charge Current | | 2A for Internal Batteries, 6A Max. (Adjustable) | | | | | | |
| Backup Time | | Dependent on the Capacity of Batteries (Long Backup Time) | | | | | | |
| Battery Charge Time | | Charger to 90 % Battery Capacity in 3 Hours (Standard) | | | | | | |
| Interface Port(s) | | RS232 + Dry Contact (DB9) + USB (Optional) | | | | | | |
| Optional Cards | | SNMP Adaptor | | | | | | |
| COMMUNICATE & INTERFACE | | LCD 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 | | | | | | |
| | EPO | Yes | | | | | | |
| ENVIRONMENTAL | Noise Level | <45dB @ 1 Meter / <50dB @ 1 Meter | | | | | | |
| | Operating Temp. | 0 - 40°C | | | | | | |
| | Storage Temp. | -20°C ~ 55°C | | | | | | |
| | Relative Humidity | 0 ~ 95 % Humidity, Non - Condensing | | | | | | |
| | Operating Elevation | 3,000 Meters | | | | | | |
| Net Weight (kg) w/o Battery | 6.5 / 7 / 7.5 / 12 / 13.5 / 13.5 | | | | | | | |
| Dimensions | (H x W x D) mm | 438x88(2U)x310 | 438x88(2U)x600 | 438x88(2U)x600 | 438x88(2U)x680 | 438x88(2U)x680 | 438x133(3U)x680 | |

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



Registered Management Systems
BS EN ISO 14001 : 2004



Registered Management Systems
BS EN ISO 9001 : 2004



CE Certification

EN 50091
for
Safety & EMC



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

UNILINE ENERGY SYSTEMS (P) LTD.

Corporate Office : Uniline House, Ramesh Market, East of Kailash, New Delhi - 110 065
Tel.: 011- 4666 1111 / 2646 9031 / 2646 9108 E mail : uniline@uniline.in

Toll Free No. 1800 1022 011

www.unilineindia.com

DEALER STAMP