

# GREENLINE SERIES

## Single Phase UPS

### 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 online 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 and 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 enhances better protection for critical load
- Built-in dry contact RS-232 / EPO communication port
- SNMP allows for web-based remote monitoring & management
- IP20 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 UPS

### TECHNICAL SPECIFICATIONS

	MODEL	GL 7500	GL 10000
POWER	CAPACITY	7.5 KVA / 7500W	10 KVA / 10000W
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	
	EPO	Yes	
	Output Connection	1 Ph. + N	
	Output Adjust	Provision Available in UPS	
ENVIRONMENTAL	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	
	Net Weight (kg) w/o Battery	6.5 / 7 / 7.5 / 12 / 13.5 / 13.5	

### 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



ISO 9001 - 2008  
for Quality



ISO 14001 - 2004  
for Environment



CE Certification

EN 50091  
for  
Safety & EMC



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