

# GREENLINE SERIES

## Rack Mount UPS System

### On-line protection for Computer Servers

The Green Line Series is the mighty cub 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 :

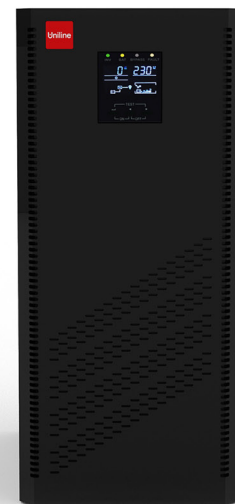
- True on-line rack mount DSP based double converter technology with integrated static bypass mechanism.
- In normal operation, the Green Line Series converts the mains AC voltage into DC voltage which supplies a battery and an inverter with energy.
- The inverter generates a sine wave AC voltage which 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 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
- Inbuilt static bypass enhance better protection for critical load
- Built-in dry contact RS-232/USB 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 and overheat protection
- Generator compatibility
- Compact size with high overall efficiency
- Isolation Transformer (Optional)
- Parallel upto 4 units
- IGBT based rectifier & inverter



**RACKMOUNT MODEL**



**TOWER MODEL**



Server



Network



Security



Medical



Education

\*Specifications and fascia design are subject to change as part of our continuous improvement process.

# GREENLINE SERIES

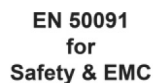
## Rack Mount UPS Systems

### TECHNICAL SPECIFICATIONS

	MODEL	GLRM 6000	GLRM 10000
POWER	CAPACITY	6 KVA / 5400 W	10 KVA / 9000 W
INPUT	Input System	Single Phase & Earth Ground	
	Rated Voltage	230 V AC	
	Voltage Range	140V to 280 V (load dependent)	
	Frequency	50 Hz +/- 10%	
	Power Factor	> 0.99 with PF correction	
	Voltage Range of Bypass	230 V AC $\pm$ 10 % (Adjustable)	
OUTPUT	Output System	Single Phase & Earth Ground	
	Rated Voltage	220 / 230 / 240 V AC (+/-2%)	
	Power Factor	$\geq$ 0.9	
	Waveform	Sinewave	
	Distortion	< 3%	
	Efficiency (AC-AC)	91%	
	Frequency	50 Hz +/- 0.2% (free run)	
	Crest Factor	3 : 1	
	Inverter Overload Capacity	110% for 5 minutes / 150% for 5 second	
	Voltage Distortion	$\leq$ 3% for Linear Load, $\leq$ 5% for Non-Linear Load	
BATTERY	Transfer Time	0 ms (Normal mode to Battery mode), 5ms (Normal mode to Bypass mode),	
	Battery Type	Sealed Maintenance Free (SMF)	
	Batteries Voltage	192 V DC / 240 V DC	
	Charge Current	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)	USB & SNMP	
	Software	Auto Shutdown & Remote Monitoring	
COMMUNICATE & INTERFACE	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	
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



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

DEALERS STAMP