

### 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's outstanding features :

- Pure sine wave output
- ECO mode to save energy
- Rotatable LCD display design
- Optional AS400 relay card
- 19" rack mount kit available for all models
- Tower / Rack multi-configuration for flexible installation
- 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
- Hot-swappable battery design
- Compact size with high over all efficiency

### ■ 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.



Models		GL 1000 VA	GL 2000 VA	GL 3000VA	GL 4000 VA	GL 5000 VA	GL 6000VA
<b>Power</b>		1KVA / 700W	2KVA / 1400W	3KVA / 2100W	4KVA / 2800W	5KVA / 3500W	6KVA / 4200W
<b>Input</b>	Input System	Single Phase & Earth Ground					
	Rated Voltage	230 V AC					
	Voltage Range	138 V to 300 V (0 - 60 % Load), 138 ~ 161 V to 300 V (60 % ~ 80 % Load) 161 ~ 184 V to 300 - 286 V (80 % ~ 100 % Load)					
	Frequency	50 / 60 Hz +/- 5 Hz (Auto Sensing)					
	Power Factor	> 0.99 @ Full Load					
	Voltage Range of Bypass	230 V AC ± 10 % (Adjustable)					
<b>Output</b>	Output System	Single Phase & Earth Ground					
	Rated Voltage	220 / 230 / 240 V AC					
	Power Factor	0.7					
	Voltage Precision	± 1 %					
	Normal Mode Freq.	45 ~ 55 (Adjustable)					
	Battery Mode Freq.	50 ± 0.1 Hz					
	Inverter Overload Capacity	110 % for 5 Minute 150 % 5 Second.					
	Transfer Time	Oms (Normal Mode to Battery Mode), Oms (Normal Mode to Bypass Mode) Crest					
	Factor	3 : 1					
	<b>Battery</b>	Batteries Voltage	24 V DC / 36 V	72 V DC	96 V DC	24 V DC / 36 V	72 V DC
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					
LCD Display		Information for Load / Battery / Input / Output and Operating Mode					
<b>Communicate &amp; Interface</b>	Audible Alarm	Actively Audible Alarm for Utility Failed / Battery Low / Overload Condition					
	Silence Switch	Yes					
	EPO	Yes					
	<b>Environmental</b>	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					
<b>Physical</b>	Installation	Rack & Tower (2 - in - 1)					
	Dimension (D x W x H)	395 x 110 x 260 mm (for UPS); 425 x 110 x 260 (for Battery Pack)					
	Net Weight (kg) w/o Battery	6.5	7	7.5	12	13.5	13.5

\* The above system are based on normal standards and can be customised as per specifications

### Our Other Products :

- Uniplus (600 VA) • Smart Line Interactive UPS (Upto 3 KVA) • Modular Series (15KVA to 20 KVA)
- Maxi Power IGBT On Line UPS System (Upto 25 KVA) • D Series UPS (60KVA to 300 KVA)
- GigaPower (Tripower) IGBT Online UPS upto 500 KVA

ISO 9001 - 2000 for Quality	ISO 14001 for Environment	CE Certification	Safety & EMC	Award Receiving from President of India	Udyog Pragati Award	National Goldstar Award	SD Award	Quality Service Assured

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