

On Line High Frequency Rack Mount UPS GRD 11 6-10K(L)



Technical Features:

- True double-conversion
- DSP technology guarantees high performance
- Output power factor 0.9
- Wide input voltage range (60-150 VAC)
- Active input power factor correction 0.99
- 50Hz/60Hz frequency converter mode
- Eco mode operation for energy saving (ECO)
- Emergency power off function (EPO)
- Generator compatible
- Charger capacity expansion to 8A for long-run models
- SNMP/USB/RS-232 communications
- 3-stage extendable charging design for optimized battery performance
- Maintenance bypass available
- Adjustable battery numbers



Technical Specifications:

MODEL		GRD11-6K (L)	GRD11-10K (L)
PHASE		2 phase in / 2 phase out	
CAPACITY		6000VA /5400W	10000VA /9000W
INPUT			
Nominal Voltage		100/110/115/120/127 VAC [L-N]	
Input Voltage Range		60-150 VAC (Phase-N) @ 50% load ; 80-140 VAC (Phase-N) @ 100% load	
Frequency Range		46-54 Hz or 56-64 Hz	
Phase Angle		0°/120°/180°/240°	
Power Factor		≅ 0.99 @ 100% load	
OUTPUT			
Output Voltage		100/110/115/120/127 VAC [L-N]	
Phase Angle		0°/120°/180°/240°	
Voltage Regulation		± 1%	
Frequency Range (Synchronized Range)		46-54 Hz or 56-64 Hz	
Frequency Range (Batt. Mode)		50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz	
Current Crest Ratio		3:1 (max.)	
Harmonic Distortion		≅ 2 % THD (Linear Load), ≅ 5 % THD (Non-linear Load)	
Transfer	AC to DC	Zero	
Time	Inverter to Bypass	Zero	
Waveform (Batt. Mode)		Pure Sinewave	
EFFICIENCY			
To AC Mode		92%	93%
ECO Mode		96%	
To Battery Mode		90%	91%
BATTERY			
Standard Model	Battery Type	12 V / 7 AH	12 V / 9 AH
	Numbers	10 pcs x 2 strings	10 pcs x 2 strings
	Typical Recharge Time	5 hours recover to 90% capacity	7 hours recover to 90% capacity
	Charging Current (max.)	2.0 A	2.0 A
Charging Voltage		136.5 VDC	
Long-run Model*	Battery Type	Depending on applications	
	Numbers	16-20pcs(Adjustable)	
	Charging Current (max.)	8.0 A	
	Float Charging Voltage	136.5 VDC	
INDICATORS			
LCD		UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions	
ALARM			
Battery Mode		Sounding every 4 seconds	
Low Battery		Sounding every second	
Overload		Sounding twice every second	
Fault		Continuously sounding	
PHYSICAL			
Standard Model	Dimension, DxWxH (mm)	UPS unit:668 x 438 x 133(3U);Battery pack: 580 x 438 x 133(3U)	UPS unit:668 x 438 x 266(6U);Battery pack: 580 x 438 x 133(3U)
	Net Weight (kgs)	UPS unit: 22 ; Battery pack: 63	UPS unit: 45;Battery pack: 63
Long-run Model*	Dimension, DxWxH (mm)	668 x 438 x 133(3U)	668 x 438 x 266(6U)
	Net Weight (kgs)	22	45

**If the UPS is installed or used in a place where the altitude is above than 1000m, the output power must be derated one percent per 100m.

* L means long-run model

* Product specifications are subject to change without further notice

