



- True double-conversion
- Microprocessor control optimizes reliability
- Input power factor correction
- Output power factor 0.8
- Wide input voltage range (110-300 VAC)
- Converter mode available
- ECO mode for energy saving only available for 1-3KVA models
- Generator compatible
- Adjustable charging current via LCD or software (1A~6A)
- Emergency power off function (EPO) only available for 6K/10K models
- Comprehensive display allows easy monitoring and access of UPS status

### Rack Online UPS Selection Guide

MODEL		GR11 1K (L)		GR11 2K (L)		GR11 3K (L)		GR11 6K (L)		GR11 10K (L)		
PHASE		Single phase with ground										
CAPACITY		1KVA / 800 W		2KVA / 1600 W		2KVA / 2400 W		6KVA / 4800 W		6KVA / 8000 W		
<b>INPUT</b>												
Nominal Voltage		100/110/115/120/127VAC or 200/208/220/230/240VAC						208/220/230/240VAC				
Input Voltage Range		55-145 VAC or 110-300 VAC at 50% load 85-140 VAC or 160-280 VAC at 100% load						110-300 VAC ± 3% at 50% Load 176-300 VAC ± 3% at 100% Load				
Frequency Range		40Hz ~ 70 Hz						46Hz ~ 54 Hz or 56Hz ~ 64 Hz				
Power Factor		≥ 0.99 @ Nominal Voltage (100% load)										
<b>OUTPUT</b>												
Output Voltage		100/110/115/120/127VAC or 200/208/220/230/240VAC						208/220/230/240VAC				
Voltage Regulation		± 1%						± 1%				
Frequency Range (Synchronized Range)		47 ~ 53 Hz or 57 ~ 63 Hz						46Hz ~ 54 Hz or 56Hz ~ 64 Hz				
Frequency Range (Batt. Mode)		50 Hz ± 0.25 Hz or 60Hz ± 0.3 Hz						50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz				
Current Crest Ratio		3:1										
Harmonic Distortion		≤ 3 % THD (Linear Load), ≤ 6 % THD (Non-linear Load)						≤ 3 % THD (Linear Load), ≤ 5 % THD (Non-linear Load)				
Transfer Time	AC Mode to Battery Mode	Zero						0ms				
	Inverter to Bypass	4 ms (Typical)						0ms				
Waveform (Batt. Mode)		Pure Sinewave										
<b>EFFICIENCY</b>												
AC Mode		88%		89%		90%		92%		93%		
Battery Mode		83%		87%		88%		90%		91%		
<b>BATTERY</b>												
Standard Model	Battery Type	12 V / 9 AH		12 V / 9 AH		12 V / 9 AH		12 V / 9 AH		12 V / 9 AH		
	Numbers	2		4		6		6		16 pcs		
	Typical Recharge Time	4 hours recover to 90% capacity						9 hours recover to 90% capacity				
	Charging Current	1.0 A						1A/2A (Adjustable)				
Long-run Model	Charging Voltage	27.4VDC ± 1%		54.7 VDC ± 1%		82.1 VDC ± 1%		218.4 VDC ± 1%				
	Battery Type	Depending on the capacity of external batteries						Depending on applications				
	Numbers	2		3		4		6		8		
	Charging Current (max.)	1.0A/2.0A/4.0A/6.0 A						1A/2A/4A/6A (Adjustable, 6A is only available for 16pcs batteries)				
Charging Voltage	27.4VDC ± 1%		41.0VDC ± 1%		54.7 VDC ± 1%		82.1 VDC ± 1%		109.4VDC ± 1%		218.4 VDC ± 1% (Based on 16pcs batteries)	
	1%		1%		± 1%		± 1%		± 1%			
<b>INDICATORS</b>												
LCD Panel		UPS status, Load level, Battery level, Input/Output voltage, Discharge time r, and Fault conditions										
<b>ALARM</b>												
Battery Mode		Sounding every 4 seconds										
Low Battery		Sounding every second										
Overload		Sounding twice every second										
Fault		Continuously sounding										
<b>PHYSICAL</b>												
Standard Model	Dimension, D x W x H(mm)	310 x 438 x 88		410 x 438 x 88		630 x 438 x 88		UPS Unit: 500x438x88 [2U] Battery Pack: 668 x 438 x 88 [2U] UPS Unit: 15 Battery Pack: 48		UPS Unit: 580x438x133[3U] Battery Pack: 668x438x88 [2U] UPS Unit: 18 Battery Pack: 48		
	Net Weight (kgs)	12		19		29.3						
Long-run Model*	Dimension, D x W x H(mm)	310 x 438 x 88		410 x 438 x 88				500 x 438 x 88 [2U]		580 x 438 x 133[3U]		
	Net Weight (kgs)	9		12		14.2		15		18		
<b>ENVIRONMENT</b>												
Humidity		20-90 % RH @ 0- 40°C (non-condensing)						0-95 % RH @ 0- 40°C (non-condensing)				
Noise Level		Less than 50dBA @ 1 Meter						Less than 55dBA @ 1 Meter Less than 58dBA @ 1 Meter				
<b>MANAGEMENT</b>												
Smart RS-232 / USB		Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7/8, Linux, Unix and MAC										
Optional SNMP		Power management from SNMP manager and web browser										

Product specifications are subject to change without further notice.  
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