

GR Rackmount/Rack Tower (option)



- True double-conversion
- Wide input voltage range (110-300 VAC)
- Input power factor correction 0.99
- Output power factor 0.8
- 50Hz/60Hz frequency converter mode
- Programmable power management outlets
- Emergency power off function (EPO)
- ECO mode operation for energy saving (ECO)
- SNMP+USB+RS-232 multiple communications
- Smart battery charger design for optimized battery performance
- Selectable output voltage via LCD panel
- Optional isolation transformer offers full isolation and complete common mode noise rejection
- Hot-swappable battery design

GR Rackmount/Rack Tower Online UPS Selection Guide

MODEL		GR1K/GR1KL		GR1.5K/GR1.5KL		GR2K /GR2KL		GR3K/GR3KL		GR6K/GR6KL		GR10K/GR10KL			
PHASE		Single phase with ground													
CAPACITY		1000 VA / 800 W		1500 VA / 1200W		2000 VA / 1600 W		3000 VA / 2400 W		6000 VA / 4800 W		10000 VA / 8000 VA			
INPUT															
Nominal Voltage		100/110/115/120/127 VAC or 200/208/220/230/240VAC										208/220/230/240 VAC			
Voltage Range		50 - 150 VAC ± 5 % or 110 - 300 VAC ± 5 %										176-300 VAC @ 100% load 110-300 VAC @ 50% load			
Frequency Range		45Hz ~ 55 Hz or 56Hz ~ 65 Hz										46~54 Hz or 56~64 Hz			
Power Factor		≥ 0.99 @ Nominal Voltage (100% Load)										≥ 0.99 @ 100% load			
OUTPUT															
Output Voltage		100/110/115/120/127 VAC or 200/208/220/230/240VAC										208/220/230/240 VAC			
AC Voltage Regulation (Batt. Mode)		± 1%										± 1%			
Frequency Range (Synchronized Range)		48 ~ 52 Hz or 58 ~ 62 Hz										46~54 Hz or 56~64 Hz			
Frequency Range (Batt. Mode)		50 Hz ± 0.2 Hz or 60Hz ± 0.2 Hz										50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz			
Current Crest Ratio		3:1										3:1			
Harmonic Distortion		≤ 3 % THD (Linear Load), ≤ 6 % (Non-Linear load)										≤ 3 % THD (Linear Load) ≤ 6 % THD (Non-linear Load)			
Transfer Time	AC Mode to Batt. Mode	Zero													
	Inverter to Bypass	4 ms (Typical)										Zero			
Waveform (Batt. Mode)		Pure Sinewave													
EFFICIENCY															
AC Mode		86%		87%		87%		88%				89%			
Battery Mode		84%		85%		85%		86%				88%			
BATTERY															
Standard Model	Battery Type	12V/7Ah		12V/9Ah		12V/7Ah		12V/7Ah		12 V / 7 Ah		12 V / 9 Ah			
	Numbers	3		3		6		8		16		16			
	Typical Recharge Time	4 hours recover to 90% capacity										3 hours recover to 90% capacity		4 hours recover to 90% capacity	
	Charging Current (max.)	1.0 A										2.0 A			
Long-run Model	Charging Voltage	41.1 VDC ± 1%		41.1 VDC ± 1%		82.1 VDC ± 1%		82.1 VDC ±1%		218.4 VDC ± 1%					
	Battery Type	Depending on the capacity of external batteries										Depending on applications			
	Numbers													16-20	
	Charging Current (max.)	1A / 2A / 4A / 8A										2.0 A			
Charging Voltage	27.4 VDC ± 1%	41.1 VDC ± 1%	41.1 VDC ± 1%		54.8 VDC ± 1%	82.1 VDC ± 1%	109.4 VDC ± 1%		218.4 VDC ± 1%						
INDICATORS															
LCD Panel		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, D x W x H (mm)	380 x 438 x 88 [2U]		380 x 438 x 88 [2U]		UPS Unit : 380 x 438 x 88 [2U] Battery Pack : 380 x 438 x 88 [2U]		UPS Unit : 480 x 438 x 88 [2U] Battery Pack : 480 x 438 x 88 [2U]		UPS Unit : 580 x 438 x 88 [2U] Battery Pack : 680 x 438 x 88 [2U]		UPS Unit: 680 x 438 x 88 [2U] Battery Pack : 680 x438 x 88 [2U]			
	Net Weight (kgs)	14		17		UPS Unit : 8.5 Battery Pack : 19.5		UPS Unit : 10 Battery Pack : 29		UPS Unit : 15 Battery Pack :49		UPS Unit : 18 Battery Pack : 55			
Long-run Model	Dimension, D x W x H (mm)	380 x 438 x 88 [2U]		380 x 438 x 88 [2U]		380 x 438 x 88 [2U]		480 x 438 x 88 [2U]		580 x 438 x 88 [2U]		680 x 438 x 88 [2U]			
	Net Weight (kgs)	6.5		7.5		8.5		10		15		18			
ENVIRONMENT															
Humidity		20-90 % RH @ 0- 40°C (Non-condensing)													
Noise Level		Less than 50dB @ 1 Meter										Less than 55dB @ 1 Meter		Less than 58dB @ 1 Meter	
MANAGEMENT															
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													

* In LV system, only 12V/7Ah x 3 for 1K model and 12V/7Ah x 6 for 2K model are available.

NOTE 1: Derate to 60% of capacity in CVCF mode and to 90% when the output voltage is adjusted to 208VAC.

NOTE 2: 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