

GR 3P/3P Rackmount



- True double-conversion
- DSP technology guarantees high performance
- Output power factor 0.9
- Active power factor correction in all phases
- 50Hz/60Hz frequency converter mode
- Eco mode operation for energy saving (ECO)
- Accepts dual power inputs
- Emergency power off function (EPO)
- Generator compatible
- SNMP+USB+RS-232 multiple communications
- 3-stage extendable charging design for optimized battery performance
- Adjustable battery numbers
- Optional N+X parallel redundancy
- Optional isolation transformer offers full isolation and complete common mode noise

GR 3-phase in / 3-phase out Rack Online UPS Selection Guide

MODEL		3/3-10KR (L)	3/3-15KR (L)	3/3-20KR (L)
PHASE		3-phase in / 3-phase out		
CAPACITY		10000 VA / 9000 W	15000 VA / 13500 W	20000 VA / 18000 W
INPUT				
Nominal Voltage		3 x 400 VAC (3Ph+N)		
Voltage Range		190-520 VAC (3-phase) at 50% load ; 305-478 VAC (3-phase) at 100% load		
Frequency Range		46~54 Hz or 56~64Hz		
Power Factor		≥ 0.99 @ 100% Load		
OUTPUT				
Output Voltage		3 x 400 VAC (3Ph+N)		
AC Voltage Regulation (Batt. Mode)		± 1%		
Frequency Range (Synchronized Range)		46~54Hz or 56~64Hz		
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 Time	AC Mode to Batt. Mode	Zero		
	Inverter to Bypass	Zero		
Waveform (Batt. Mode)		Pure Sinewave		
EFFICIENCY				
AC Mode		90.5%	91.0%	91%
ECO Mode			96%	
Battery Mode		86%	87%	87%
BATTERY				
Standard Model	Battery Type	12 V / 9 Ah		
	Numbers	20 pcs (18-20 adjustable)**	20 pcs (18-20 adjustable)**x 2 strings	20pcs (18-20 adjustable)** x 2 strings
	Typical Recharge Time	9 hours recover to 90% capacity		
	Charging Current (max.)	1A	2A	2A
Long-run Model	Charging Voltage	273 VDC ± 1%		
	Battery Type	Depending on the capacity of external batteries		
	Numbers			
	Charging Current (max.)	4A	4A	4A
Long-run Model	Charging Voltage	273 VDC ± 1%		
INDICATORS				
LCD Display		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)	UPS: 668x438x266 [6U] Battery pack : 580x438x133 [3U]	UPS: 668 x 438 x 266 [6U] Battery pack : 580x438x133 [3U] x 2 pcs	UPS: 668 x 438 x 266 [6U] Battery pack : 580 x 438 x 133[3U] x 2 pcs
	Net Weight (kgs)	UPS unit: 42 Battery pack: 63	UPS unit: 45 Battery pack: 63 x 2 pcs	UPS unit: 45 Battery pack: 63 x 2 pcs
Long-run Model	Dimension, D x W x H (mm)	668 x 438 x 266 [6U]	668 x 438 x 266 [6U]	668 x 438 x 266 [6U]
	Net Weight (kgs)	42	45	45
ENVIRONMENT				
Operating Humidity		0-95 % RH @ 0- 40°C (Non-condensing)		
Noise Level		Less than 60dB @ 1 Meter	Less than 65dB @ 1 Meter	
MANAGEMENT				
Smart RS-232 / USB		Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7/8/10, Linux and MAC		
Optional SNMP		Power management from SNMP manager and web browser		