

# On Line High Frequency Rack Mount UPS GR 11 One-1-3K



## Technical Features:

- True double-conversion
- Output power factor 1
- Output voltage regulation < 1%
- Higher output crest ratio 3:1
- 50Hz/60Hz frequency converter mode
- Programmable power management outlets
- Emergency power off function (EPO)
- Hot swappable battery design
- ECO mode for energy saving
- Emergency power off (EPO) function
- Provides over voltage cutt-off protection and surge immunity by MOV for full time equipment protection
- High power factor charger upto 1000W capacity with very low ripple current when charging battery
- Low input THDi to reduce power system pollution
- Adjustable charging current via LCD panel
- Smart battery charger design to optimize battery performance
- Generator compatible



## Technical Specifications:

MODEL	GR11 One- 1K(L)		GR11 One- 1.5K(L)		GR11 One- 2K(L)		GR11 One- 3K(L)		
PHASE	Single phase with ground								
CAPACITY	1000VA /1000W		1500VA /1500W		2000VA /2000W		3000VA /3000W		
INPUT									
Nominal Voltage	100/110/115/120 /127 VAC or 200/208/220/230/240 VAC								
Voltage Range	55-150 VAC ± 5% or 110-300 VAC ± 5% @ 50% load , 80-150 VAC ± 5% or 160-300 VAC ± 5% @ 100% load								
Frequency Range	40Hz – 70Hz								
Power Factor	≅ 5% @ nominal input voltage								
THDi	≅ 0.99 @ nominal voltage (100% load)								
OUTPUT									
Output Voltage	100*/110*/115*/120/127 VAC or 200*/208*/220/230/240 VAC								
AC Voltage Regulation (Batt. Mode)	± 1%								
Frequency Range (Synchronized Range)	57 ~ 63 Hz or 47 ~ 53 Hz or								
Frequency Range (Batt. Mode)	60Hz ± 0.1Hz or 50 Hz ± 0.1Hz								
Current Crest Ratio	3:1 (max.)								
Harmonic Distortion	≅ 2 % THD (Linear Load); ≅ 4 % THD (Non-linear load)								
Transfer Time	AC to DC	Zero							
	Inverter to Bypass	4 ms (Typical)							
Waveform (Batt. Mode)	Pure Sinewave								
EFFICIENCY									
AC Mode	≅ 89% @ full charged battery				≅ 91% @ full charged battery				
ECO Mode	≅ 96% @ full charged battery								
Battery Mode	≅ 88%				≅ 90%				
BATTERY									
Battery Type	12V 9AH	12 V / 7 AH	12 V / 9 AH	12 V / 9 AH	12 V / 7 AH	12 V / 9 AH			
Numbers	2	3	3	4	6	6			
Typical Recharge Time	3 hours recover to 95% capacity for internal battery@ 2A charging current								
Charging Current	100/110/115/120 /127 VAC models: default 2A, max. 8A adjustable					200/208/220/230/240 VAC models: default 2A, max. 12A adjustable			
Charging Voltage	27.4VDC ± 1%	41.1VDC ± 1%	41.1VDC ± 1%	54.8VDC ± 1%	82.1VDC ± 1%	82.1VDC ± 1%			
PHYSICAL									
Dimension, D X W X H (mm)	410 x 438 x 88		410 x 438 x 88		510 x 438 x 88		630 x 438 x 88		
Net Weight (without battery) (kgs)	6,6	7,8	8,1	9,4	10,6	12,4			
Net Weight (w/built-int battery) (kgs)	11,6	14,1	15,5	19,5	23,3	27,5			
ENVIRONMENT									
Humidity	20-90 % RH @ 0- 40°C (non-condensing)								
Noise Level	Less than 50dBA @ 1 Meter				Less than 55dBA @ 1 Meter				
Altitude	10% de-rating for over 1000m (The altitude should not exceed 3000m)								
MANAGEMENT									
Smart RS-232 or USB	Supports Windows 2000/2003/XP/Vista/2008/7/8, Linux, Unix and MAC								
Optional SNMP	Power management from SNMP manager and web browser								
STANDARD									
EMC/Safety	EMC EN62040-2 C2 for CE models								

\*Derate capacity to 80% when the output voltage is adjusted to 100VAC/200VAC/208VAC.  
Product specifications are subject to change without further notice



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