

# On Line High Frequency Rack Mount UPS GR11 1-10K(L)



## Technical Features:

- Function & Characteristic:
- True double-conversion
- Microprocessor control optimizes reliability
- Output power factor PF0.9
- Wide input voltage range(110-300VAC)
- 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) only available for 6K/10K models
- Emergency power off function(EPO) only available for 6K/10K models
- Comprehensive display allows easy monitoring access of UPS status
- Rack-Tower 2-in-1 for 1KVA 2KVA & 3KVA
- Hot -swappable battery design for 6KVA and below models



## Technical Specifications:

MODEL	GR11-1K(L)	GR11-2K(L)	GR11-3K(L)	GR11-6K(L)	GR11-10K(L)	
<b>CAPACITY</b>	1KVA/900W	2KVA/1800W	3KVA/2700W	6KVA/5400W	10KVA/9000W	
<b>INPUT</b>						
Nominal Voltage	200/208/220/230/240VAC			208/220/230/240VAC		
Voltage Range	110-300VAC at 50% load 160-280VAC at 100% load			110-300VAC±3% at 50% load 176-300VAC±3% at 100% load		
Frequency	40-70Hz			46-54Hz or 56-64Hz		
Power Factor	0.99					
<b>OUTPUT</b>						
Voltage	200/208/220/230/240VAC					
Voltage Regulation	±1%					
Frequency Range (Synchronized Range)	47-53HZ or 57-63HZ			46-54HZ or 56-64HZ		
Frequency Range (Batt. Mode)	50HZ±0.25HZ or 60HZ±0.3HZ			50HZ±0.1HZ or 60HZ±0.1HZ		
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	0ms					
Wave Form	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	12V9AH	12V9AH	12V9AH	12V7AH	12V9AH
	Numbers	2PCS	4PCS	6PCS	16-20PCS (adjustable)	
	Typical Recharge Time	4 hours recover to 90% capacity			9 hours recover to 90% capacity	
	Charging Current	1A			Default:1.0 A ± 10%, Max.:2.0A ± 10%	
Long-run Model	Charging Voltage	27.4VDC ± 1%	54.7 VDC ±1%	82.1 VDC ±1%	218.4 VDC ± 1%(based on 16 pcs batteries)	
	Battery Type	Depending on the capacity of external batteries				
	Numbers	2/3	4/6	6/8	16-20pcs (adjustable)	
	Charging Current	1.0A/2.0A/4.0A/6.0 A			Default:4.0 A ± 10%, Max.:6.0A ± 10%	
	Charging Voltage	27.4/41.0VDC ± 1%	54.7/82.1 VDC ±1%	82.1/109.4VDC ±1%	273 VDC ± 1% (based on 20 pcs batteries)	
<b>INDICATORS</b>						
LCD Panel	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, 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,DxWxH(mm)	310*438*88(2U)	410*438*88(2U)	630*438*88	UPS Unit: 500*438*88(2U) Battery pack: 668*438*88(2U)	UPS Unit: 580*438*133(3U) Battery pack: 668*438*88(2U)
	Net Weight(kgs)	12	19	29.3	UPS Unit:15 Battery Pack:48(16pcs)	UPS Unit:18 Battery Pack:51(16pcs)
Long-run Model	Dimension,DxWxH(mm)	310*438*88(2U)	410*438*88(2U)		500*438*88 (2U)	580*438*133(3U)
	Net Weight(kgs)	9	12	14.2	15	18

\*Long-run model is only available in 200/208/220/230/240VAC systems.

\*\*Derate to 80% of capacity in Frequency converter mode and to 80% when the output voltage is adjusted to 100/200/208VAC.

\* Product specifications are subject to change without further notice.

