

Online UPS 3 Phase Out

GTRT Series

5/10/15/20/30/40/60kVA

3:3 Phase

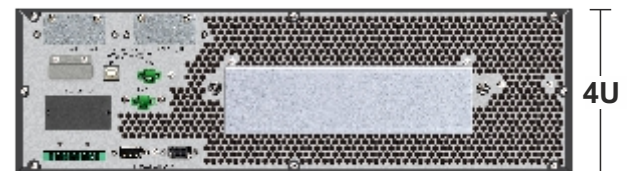


Features

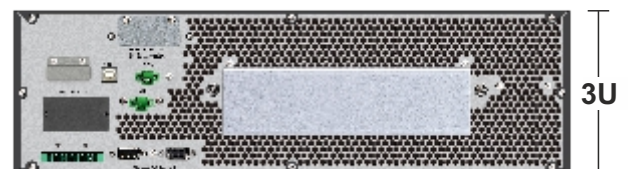
- True online double-conversion technology
- LCD for comprehensive UPS information
- DSP technology guarantees high performance
- Output power factor unity (1.0, kVA = kW)
- Active power factor correction at input
- 50Hz/60Hz frequency converter mode
- ECO mode operation for energy saving (ECO)
- Emergency power off function (EPO)
- Generator compatible
- Supports dual AC inputs
- 3-stage extendable charging design for optimized battery performance
- Adjustable battery numbers,
- Parallel operation with common battery
- Optional isolation transformer compatible



Large LCD Panel



30 - 60kVA



5 - 20kVA

▶ Technical Specifications of GTRT Series 5~60kVA

MODEL	GTRT3305L20	GTRT3310L20	GTRT3315L32	GTRT3320L32	GTRT3330L32	GTRT3340L32	GTRT3360L32	
PHASE	3-phase in / 3-phase out							
CAPACITY	5kVA/5kW	10kVA/10kW	15kVA/15kW	20kVA/20kW	30kVA/30kW	40kVA/40kW	60kVA/60kW	
PARALLEL CAPABILITY	4							
INPUT								
Nominal Voltage	3 x 400 VAC (3Ph+N)							
Voltage Range	190-520 VAC (3-phase) @ 50% load, 305-478 VAC (3-phase) @ 100% load							
Frequency	46-54 Hz or 56-64Hz							
Power Factor	≥ 0.99 @ 100% load							
OUTPUT								
Output Voltage	3*380/400/415 VAC (360V, Output Power 90% of KVA)							
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 Battery mode	Zero						
	Inverter to Bypass	Zero						
Waveform (Batt. Mode)	Pure Sinewave							
Overload	110% for 60 min, 125% for 10 min, ~150% for 1 min; >150% 200 msec							
EFFICIENCY								
AC Mode	95.0%							
ECO Mode	98.9%							
Battery Mode	96.0%							
BATTERY								
Battery Type	VRLA/SMF (Lithium Battery Compatible)							
Battery Numbers	20 pcs	32~40 pcs (Adjustable)						
Charging Current (max.)	1A~12A(Adjustable)					1A~16A(Adjustable)	1A~18A(Adjustable)	
Charging Voltage	+/- 13.65 VDC x N		+/- 13.65 VDC x N					
PHYSICAL								
Dimension, D x W x H (mm)	680 x 438 x 133 (3U)			797 x 438 x 176 (4U)				
Net Weight (Kgs)	26	28		40		45		
ENVIRONMENT								
Operating Temperature	0-50°C							
Operating Humidity	< 95 % and non-condensing							
Noise Level	Less than 62dBA @ 1 Meter				Less than 70dB @ 1 Meter			
STANDARDS								
Quality	ISO 9000, ISO 14001, OHSAS 18001, ISO 27001, RoHS							
Safety	IEC/EN62040-1							
EMC / Performance	IEC/EN62040-2; IEC/EN62040-3, Complying to CE							
COMMUNICATION INTERFACE								
Standard	Smart RS-232 / USB							
Optional	SNMP / ModBus / Dry Contact / RS-485							
Monitoring Software	NetAgent Utility v5.8 / View Power / UPSilon 2000 / Muser 4000							

*Specifications are subject to change without prior notice.

*Conditions Apply

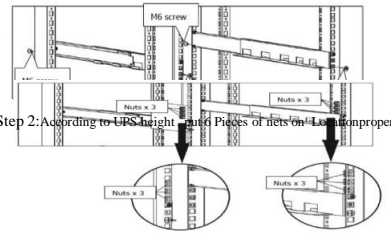
Technical Specifications of Battery Pack

MODEL	BPMP140N9
Supported UPS	5~60kVA
Battery Type	12 V/9 Ah
Battery Number	32~40 numbers
Battery Voltage	384~480 VDC
Dimension(DxWxH)	483x715x178 [4U]
Net Weight (kgs)	118.7



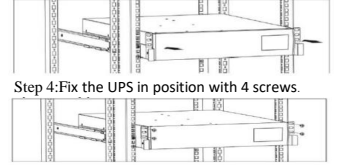
Rail-Kit for Rack Mounting

Step 1: Use 4 pieces of M6 screw to mount rail sliders into chassis.

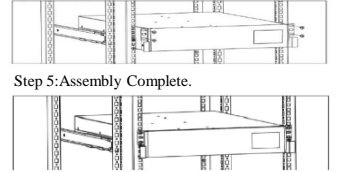


Step 2: According to UPS height, cut 6 pieces of nets on 4U. Location proper.

Step 3: Put UPS with assembled ears on the rail support.



Step 4: Fix the UPS in position with 4 screws.



Step 5: Assembly Complete.

Accessories

Relay Card & SNMP Card

Relay Card provides a set of relay contacts for managing UPS alarm notifications and operating states. This board also provides the possibility of associating battery working, Bypass, Alarm & Battery low warnings with potential free contacts on normally close or normally open contacts.

SNMP allows UPS directly connected over LAN connections to be managed using the Main network communication protocols (TCP/IP, HTTP and SNMP).



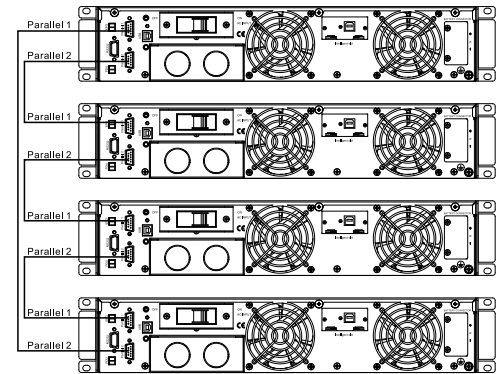
Relay Card



SNMP Card

Paralleling Card (Load Balancer)

This device allow the UPS to be used in simple parallel operation with up to 4 Units, allowing scalability for increase power capacity & improved reliability due to the redundancy operation.



Installation Guide

Battery Connection

