

- 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
- full time over voltage cut-off and surge protection
- High power factor charger with low ripple current
- Low input THDi to reduce power system pollution
- Adjustable charging current via LCD panel
- Smart battery charger design to optimize battery performance
- Generator compatible



CLIPPERS RACK/TOWER ONLINE UPS SELECTION GUIDE

MODEL	CLIPPERS RT 1K	CLIPPERS RT 2K	CLIPPERS RT 3K
PHASE	Single phase with ground		
Capacity	1000 VA / 1000 W	2000 VA / 2000 W	3000 VA / 3000 W
INPUT			
Nominal Voltage	220/230/240 VAC		
Voltage Range	@ 50% load	110-300 VAC ± 5%	
	@ 100% load	160-300 VAC ± 5%	
Frequency Range	40Hz ~ 70Hz		
Harmonic Distortion(THDi)	≤ 5% @ nominal input voltage		
Power Factor	≥ 0.99 @ nominal voltage (100% load)		
OUTPUT			
Output Voltage	220/230/240 VAC		
AC Voltage Regulation (Batt. Mode)	± 1%		
Frequency Range (Synchronized Range)	47 ~ 53 Hz or 57 ~ 63 Hz		
Frequency Range (@ Batt. Mode)	50 Hz or 60Hz ± 0.1Hz		
Current Crest Ratio	3:1 (max.)		
Harmonic Distortion	Linear Load	≤ 2 %	
	Non-linear load	≤ 4 %	
Transfer Time	Line to Battery	Zero	
	Inverter to Bypass	4 ms (Typical)	
Waveform (Batt. Mode)	Pure Sinewave		
EFFICIENCY			
AC Mode@full charged battery	≥ 89%	≥ 91%	
ECO Mode@full charged battery	≥ 96%		
Battery Mode	≥ 88%	≥ 90%	
BATTERY			
Battery Type	12 V / 9 AH		
Numbers	2	4	6
Typical Recharge Time	3 hours recover to 95% capacity		
Charging Current(Default 2A , Adjustable)	Max: 12A	Max: 8A	
Charging Voltage(Vdc ± 1%)	27.4	54.8	82.1
PHYSICAL			
Dimension, WxHxD (mm)	438x88x410	438x88x510	438x88x630
Net Weight (without battery) (kgs)	6.6	9.4	12.4
Net Weight (w/built-int battery) (kgs)	11.6	19.5	27.5
ENVIRONMENT			
Humidity(non-condensing)	20-90 % RH @ 0- 40°C		
Noise Level (@ 1 Meter)	≤ 50dBA		
Altitude(Max 3000m)	10% de-rating for over 1000m		
MANAGEMENT			
Smart RS-232/USB	Supports Windows® 2000/2003/XP/Vista/2008/7/8/10, Linux and MAC		
SNMP(Optional)	Power management from SNMP manager and web browser		
STANDARD			
EMC/safety	EMC EN62040-2 C2 for CE models		

Product specifications are subject to change without further notice