

Technical Specifications:

MODEL	1KVA-RT (S)	1KVA-RT (L)	2KVA-RT (S)	2KVA-RT (L)	3KVA-RT (S)	3KVA-RT (L)
Capacity (VA/Watts)	1000VA / 900W		2000VA / 1800W		3000VA / 2700W	
Phase	Single phase with ground with					
INPUT						
Nominal Voltage	200/208/220/230/240Vac					
Operating voltage range	Low voltage of transferring to bypass	160Vac±5% @100%~80%load	140Vac±5% @80%~70%load	120Vac±5% @70%~60%load	110Vac±5% @60%~0%load (Ambient temp. <35°C)	
	Low threshold voltage of recovering from bypass	175Vac±5% @100%~80%load	155Vac±5% @80%~70%load	135Vac±5% @70%~60%load	125Vac±5% @60%~0%load (Ambient temp. <35°C)	
	High voltage of transferring to bypass	300Vac±5%				
	High threshold voltage of recovering from bypass	290Vac±5%				
Input Voltage Range	55~150Vac or 110~300Vac @ 60% load, 80~145Vac or 160~300Vac @ 100% load					
Operating frequency range	40~70Hz					
Power Factor	0.99					
Generator input	Support					
OUTPUT						
Output Voltage	200/208/220/230/240Vac					
Power Factor	1.0					
Voltage Regulation	±1%					
Frequency	Line mode (Synchronized range)	47~53Hz or 57~63Hz				
	Bat. mode	(50/60±0.1)Hz				
Crest Factor	3:1					
Harmonic Distortion (THDv)	≤2% THD (Linear load)					
	≤4% THD (Non-linear load)					
Waveform	Pure Sinewave					
Transfer Time	AC mode <-> Batt. Mode	Zero				
	Inverter <-> Bypass	4ms(Typical)				
EFFICIENCY						
AC Mode	88%		92%		92%	
Battery Mode	85%		88%		90%	
BATTERY						
Battery Type	12V9AH	Depends on the capacity of external batteries		12V9AH	Depends on the capacity of external batteries	
Numbers	3	2	3	4	4	6
Backup time	Long run unit depends on the capacity of external batteries					
Typical recharging time(Standard mode)	4 hours recover to 90% capacity					
Charging voltage	41.1Vdc±1%	27.4Vdc±1%	41.1Vdc±1%	54.7Vdc±1%	54.7Vdc±1%	82.1Vdc±1%
Charging current(max.)	1A or 2A	12A max, can be set by LCD		1A or 2A	12A max, can be set by LCD	
SYSTEM FEATURES						
Line mode Battery mode	Ambient temp.<35°C	105%~110%: UPS transfer to bypass after 10 minutes when the utility is normal 110%~130%: UPS transfer to bypass after 1 minute when the utility is normal 130%~150%: UPS transfer to bypass after 5 seconds when the utility is normal >150%: UPS transfer to bypass immediately when the utility is normal				
	35°C<ambient Temp.<40°C	105%~110%: UPS transfer to bypass after 1 minute when the utility is normal 110%~130%: UPS transfer to bypass after 5 seconds when the utility is normal >130%: UPS transfer to bypass immediately when the utility is normal				
Short circuit	Hold whole system					
Overheat	Line mode: Switch to bypass; Backup mode: Shut down UPS immediately					
Battery low	Alarm and switch off					
EPO (optional)	Shut down UPS immediately					
Audible & Visual alarms	Line failure, Battery low, Over load, System fault					
Communication interface	USB, RS232, SNMP card(optional), Relay card(optional)					
PHYSICAL						
Dimension W×D×H (mm)	440*435*88.5		440*460*88.5		440*435*88.5	
Net Weight (kg)	13.9	5.6	5.6	19.1	8.3	8.3
ENVIRONMENT						
Operating temperature	0~40°C					
Storage temperature	-25°C ~ 55°C					
Humidity range	20~90% RH @ 0~40°C (Non-condensing)					
Altitude	<1500m					
Noise Level	Less than 50dBA at 1 Meter					
STANDARDS						
Safety	IEC/EN62040-1, IEC/EN60950-1					
EMC	IEC/EN62040-2, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8					