



3 kinds of LCD can be selected



Colourful LCD



Gray LCD



Blue LCD



Battery cabinet (Optional)



Optimized battery configuration 7Ah/9Ah (12V)

Features:

- Rack/Tower convertible design
- Online double conversion with full digital control
- Wide input voltage range: 110~300Vac
- Input power factor 0.99 with PFC
- Selectable output voltage: 208/220/230/240Vac
- Smart charger design for optimized battery performance
- Maximum charging current can be expanded to 12A (Long run unit)
- Emergency power off function (EPO)
- ECO mode operation for energy saving
- Generator compatible
- Hot-Swappable battery design
- Cold start function
- Intelligent fan speed regulation
- Load segment settable (Optional)
- Versatile LCD human-computer interface
- Multiple communication interface: RS232 (USB/EPO/Relay card/SNMP card optional)
- Multiple protection function: short-circuit, overload, overheat, battery overcharge and overdischarge, output low voltage and fan fault alarm
- PDU with maintenance bypass switch (Optional)



ON LINE



Tower/Rack



DATA CENTRE



SOHO



E-MEDICAL



INDUSTRY



TRANSPORT



EMERGENCY

RTODC Series

Model	RTODC 1K H			RTODC 1K S			RTODC 2K H			RTODC 2K S			RTODC 3K H			RTODC 3K S		
Capacity	1000VA/1000W						2000VA/2000W						3000VA/3000W					
INPUT																		
Nominal voltage	208/220/230/240Vac																	
Input voltage range	110~300Vac (176~264Vac @ 100% load)																	
Power factor	1																	
FREQUENCY																		
Frequency range	40~70Hz (50/60Hz Auto-Sensing)																	
OUTPUT																		
Output voltage	208/220/230/240Vac																	
Voltage regulation	±1%																	
Power factor	1.0																	
Output frequency	Line mode	46~54Hz or 56~64Hz																
	Bat. mode	(50/60±0.1%)Hz																
Crest factor	3:1																	
Harmonic distortion (THDv)	≤3% Linear load																	
	≤5% Non linear load																	
Transfer time	AC mode to Bat.mode	0ms																
	Inverter to Bypass	4ms (Typical)																
Output waveform	Pure Sinewave																	
EFFICIENCY																		
AC mode	90.9%						92%						92.3%					
BATTERY																		
Battery number	2	3	2	3	4	6	4	6	6	8	6							
Capacity (Standard unit)	9Ah/12V (7Ah/12V optional)																	
Typical recharging time	4 hours (To 90% of full capacity)																	
Charging voltage	27.4Vdc±1%	41.1Vdc±1%	27.4Vdc±1%	41.1Vdc±1%	54.8Vdc±1%	82.2Vdc±1%	54.8Vdc±1%	82.2Vdc±1%	82.2Vdc±1%	109.6Vdc±1%	82.2Vdc±1%							
Charging current (Max.)	6A/12A			1A			6A/12A			1A			6A/12A			1A		
INDICATORS																		
LED display	Line mode, Bat.mode, ECO mode, Bypass mode, Battery low voltage, Overload & UPS fault																	
LCD display	Input voltage, Input frequency, Output voltage, Output frequency, Load percentage, Battery voltage, Inner temperature & Remaining battery backup time																	
ALARM																		
Battery mode	Beeping every 4 seconds																	
Battery low	Beeping every second																	
Overload	Beeping twice every second																	
Fault	Continuously beeping																	
PHYSICAL																		
Dimension W×D×H	440×325×86.5mm				440×460×86.5mm		440×600×86.5mm			440×460×86.5mm		440×600×86.5mm						
Net weight	5.6kg		11.3kg		14kg		10.5kg		19.5kg		25kg		11kg		26kg			
ENVIRONMENT																		
Operating temperature	0°C~40°C																	
Storage temperature	-25°C~55°C																	
Humidity range	20~95%RH @ 0~40°C (Non condensing)																	
Altitude	<1500m, derating required when>1500m																	
Noise level	<50dB at 1 Meter																	
STANDARDS																		
Safety	IEC/EN 62040-1, IEC/EN 62477-1																	
EMC	IEC/EN 62040-2 (IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11, IEC 61000-2-2)																	

OBR Battery Pack Specification

	Rack Cabinet				
Model	OBR4024C	OBR06036C	OBR08048C	OBR12072C	OBR08096C
BATTERY SYSTEM					
Battery type	VRLA (Lead acid maintenance free battery)				
Typical battery recharging time	6~8 hours (To 90% of full capacity)				
Typical battery life	3~5 years, depend on discharging cycle and ambient temperature				
System voltage	24Vdc	36Vdc	48Vdc	72Vdc	96Vdc
Charging current (Max.)	1.4A				
Battery quantity	4	6	8	12	8
Capacity	9Ah/12V (7Ah/12V optional)				
PHYSICAL					
Dimension W×D×H	440×430×86.5mm		440×550×86.5mm	440×710×86.5mm	440×550×86.5mm
Net weight	17.4kg	22.5kg	31.5kg	44kg	31.5kg
ENVIRONMENT					
Safety	CE				
Operating environment	0°C~40°C				
Relative humidity	0~95% (Non condensing)				
Noise level	<40dB at 1 Meter				

1. Specifications are subject to change without prior notice
2. Data above are typical values for reference only, not as a basis for engineering design
3. Remark: RC08048C; "RC" means Rack Cabinet; "08" means battery number inside the Rack; "048" means the battery system voltage; "C" means the Rack coming with charger

