

RTODC PRO Series



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-Optional)
- 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



TowerRack



DATACENTRE



SOHO



E-MEDICAL



INDUSTRY



TRANSPORT



EMERGENCY

RTODC PRO Series

| Model | RTODC PRO 6K H | | | RTODC PRO 6K S | | | RTODC PRO 10K H | | | RTODC PRO 10K S | | |
|----------------------------|---|------------|--------------------|----------------|----------------|------------|-----------------|----------------|----------------|-----------------|------------|--|
| Capacity | 1000VA/900W | | | 2000VA/1800W | | | 3000VA/2700W | | | | | |
| INPUT | | | | | | | | | | | | |
| Nominal voltage | 208/220/230/240Vac | | | | | | | | | | | |
| Input voltage range | 110~300Vac (176~264Vac @ 100% load) | | | | | | | | | | | |
| Power factor | ≥0.99 | | | | | | | | | | | |
| FREQUENCY | | | | | | | | | | | | |
| Frequency range | 40~70Hz (50/60Hz Auto-Sensing) | | | | | | | | | | | |
| OUTPUT | | | | | | | | | | | | |
| Output voltage | 208/220/230/240Vac | | | | | | | | | | | |
| Voltage regulation | ±1% | | | | | | | | | | | |
| Power factor | 0.9 | | | | | | | | | | | |
| 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 | 1.4A | 1.4A | 6A | 6A | 1.4A | 1.4A | 6A | 6A | 1.4A | 1.4A | |
| 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) | | | | | | | | | | | |

1. When output voltage is 208Vac, need to derate to 80% of the unit capacity
2. Specifications are subject to change without prior notice
3. Data above are typical values for reference only, not as a basis for engineering design

OBR Battery Pack Specification

| | Rack Cabinet | | | | |
|---------------------------------|--|-------------|----------------|----------------|----------------|
| Model | OBR4024E-B | OBR06036E-B | OBR08048E-B | OBR12072E-B | OBR08096E-B |
| 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 | | | | |

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2. Data above are typical values for reference only, not as a basis for engineering design
3. Remark: RC08048E; "RC" means Rack Cabinet; "08" means battery number inside the Rack; "048" means the battery system voltage; "E" means the Rack coming with charger



Optional socket



Relay card

SNMP



Multifunctional bracket



The LCD panel can be rotated