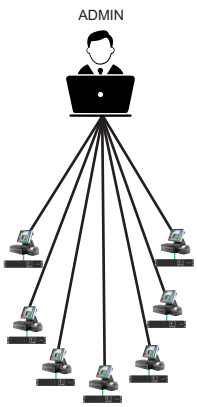
High Efficiency Double Conversion UPS with Power Conditioner

- Integrated Power Conditioner
- Built-in Power Factor Correction
- Pure Sine Wave Output with 0.9 Power Factor
- Real-time Voltage & Frequency Regulation
- Adjustable LED Display
- Rack or Tower Configuration

Advanced Overload Protection

- Multiple overload level detection allows for extended time of uninterrupted operation during various stages of overloading.
- Automatic switching to BYPASS mode for additional time of uninterrupted operation.

Realtime Network Monitoring and Notifications



- Remote management and configuration via Web Browser, NMS
- Event logging to trace the operation's history
- Graphic data logging to analyze power conditions
- Event notifications via Email, SNMP traps
- It has the ability to set up for an alert when the battery is in need of replacement
- Supports Environmental Sensor (optional) advanced Enterprise power management software
- Power ON/OFF, reboot, and on demand battery testing for UPS.

LCD Panel

- Easy-to-read LCD display provides information about power conditions
- The LCD display will show how much time is left before the UPS will turn back on or shut down
- Unit can be controlled via LCD display and via network card web console.
- LCD can be easily rotated via software.
- Displays various information in detail, such as load levels in VA or WATT, backup time at current load, battery pack voltage, etc.

Designed for:

- Critical server
- Network
- AV Systems
- Telecommunications equipment

EMERGE™
POWER SOLUTIONS
SMART POWER SYSTEMS

Patented Technology

EDC SERIES

FEATURES

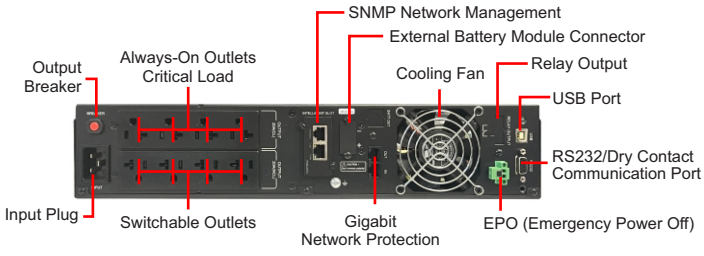
- Integrated Power Conditioner for Protection against Common Mode, Normal Mode, Ground Loop Interferences
- High efficiency On-Line double Conversion / pure sine wave output design
- Fully informative LCD display to show power loads and UPS stats
- Automatic voltage regulator (AVR and battery backup in one unit)
- Short circuit and overload protection with automatic bypass capability
- Power management software with network monitoring capability with diagnostic and battery check
- Gigabit Network surge protection circuit
- HID USB and Smart RS232 communications port
- User replaceable UPS battery
- UPS can power on with or no batteries
- SNMP network management capability
- EPO (Emergency Power Off) capable
- Two year warranty - Optional extended warranty

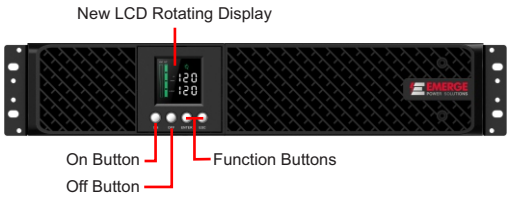
PROTECTION AGAINST...

- Blackouts - With battery backup
- High and low voltage surges (disruptive surges and interferences) - With TBF™ technology
- Under or over voltage/frequency fluctuations - With double conversion regulation
- Lightning or other high voltage anomalies - With surge protection
- Reduces the need for truck-rolls

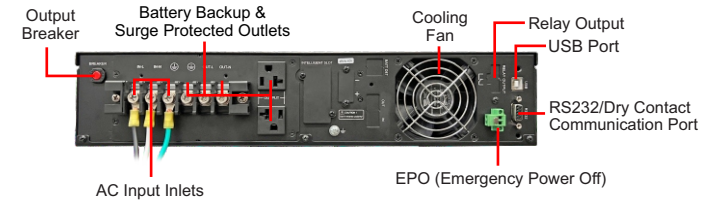
FRONT/REAR PANEL DESCRIPTION

Standard input power cord and output outlets





Hardwired input/output



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Specifications

MODEL		EDC2200RT-T / EDC2200RT-THW
Capacity (VA / Watts)		2200VA / 1980W
Energy-Saving Technology		Yes, ECO Mode Efficiency ≧95%
Input		
Input Voltage Range		55~150Vac
Input Frequency Range		50/60Hz
Input Power Factor		0.99
Cold Start		Yes
UPS Inlets		IEC C20/Hard Wire Terminal
Output		
Output Waveform		Pure Sine Wave
Output Voltage		100, 110, 115, 120, 127Vac ±1% *
Output Frequency		50/60Hz (Auto-Sensing or Configurable) ±0.5Hz **
Line Mode Voltage Regulation		±1%
ECO Mod Voltage Regulation		±10%, ±15% (Configurable)
Crest Factor		3:1
Harmonic Distortion		THD < 3% at Linear Load, THD < 6% at Non-linear Load
UPS Outlets		(8) NEMA 5-20R ((4) Remote Switchable Set) Terminal+(2) NEMA 5-20R
Transfer Time (Typically)		0ms
Battery		
Model - Voltage		EPO22 - 48VDC (Sealed, Maintenance Free)
Run Time (Half Load)		12 Minutes
Recharge Time (Typically)		4 Hours (inside batteries)
Protection		
Power Conditioning		Power Conditioning Protection against Common Mode, Normal Mode, Ground Loop Interferences
Overload Protection	Line Mode	105%~110% Warning, transfer to bypass after 10min; 110%~130% Warning, transfer to bypass after 1min; >130% Warning, transfer to bypass after 3s.
	Battery Mode	105%~110% Warning, shut down after 6min; 110%~130% Warning, shut down after 1min; >130% Warning, shut down after 3s.
	Bypass Mode	110%~120% Warning, shut down after 30min; 120%~130% Warning, shut down after 10min; >130% Warning, shut down after 1min.
Short Circuit Protection		UPS Output Cut off Immediately or Input Fuse / Circuit Breaker Protection
Management		
LCD Screen		Graphic LCD
Connectivity Ports		(1) Serial Port (RS232), (1) USB Port
Emergency Power OFF (EPO)		Yes
Audible Alarms		Battery Mode, Battery Low, Overload, UPS Fault, Replace Battery, Bypass Mode Charger Failure / Over Charged, Fan failure, EPO active
Power Management Software		PowerMaster
SNMP / HTTP Capable		(1) Expansion Port (With optional card)
Environment		
Operating Temperature		0C to 40C
Operating Relative Humidity		20% to 90% Non-Condensing
Physical		
Dimensions (W x D x H) (in.)		17.24 x 16.93 x 3.46
Net Weight (Lbs.)		44.85
Altitude		<2000m

Rev:10/25

Specification are subject to change without notice.

(*) Within 50/60Hz±8% by default, the output frequency is synchronization with input mains. User can adjust the acceptable range for output frequency (±1, 2, 3, 4, 5, 6, 7, 8, 9, 10%). When input frequency is out of synchronization window but within 40-70Hz, UPS can stay in line mode and output frequency is regulated at 50/60Hz+0.5% with load derating by 40%.

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