

EC3000

UPS ONLINE

10/20/30 kVA 3P/3P



Compact and Reliable Power Protection for:

- Servers, IT and network equipment
- Office telecommunication and security systems
- Medical, diagnostic and test devices
- Bank and Finance applications
- Chemical and Manufacturing process
- Auxiliary and Emergency care systems

Advanced Technology and Optimal Power Performances

A true double conversion UPS will provide clean, high level quality power to fully protect mission-critical devices. The DSP controller provides an improved and cost-effective solution with highest performance.

Output power factor up to 0,9 offers more active power to modern IT equipment.

The wide input voltage range (190V-520V) assures power supply to connected devices under extremely unstable network, protecting the batteries life. EC3000 is input low impact with almost unitary power factor and negligible harmonic distortion, fully generator compatible without power oversizing.

All models have the back-feed protection and **Emergency Power Off (EPO)** input to secure the personnel and equipment in case of emergency cases.

All EC3000 units are equipped with **maintenance rotary switch** to assure continuous power to critical devices during UPS maintenance. Dual inputs version with separated bypass is available for 10-20kVA.

EC3000 is as standard **with internal battery and DC terminals for additional battery cabinet** for scalable runtime; the version EC3000SC without battery and integrated super charger for long back time.

Smart Charger and Intelligent Battery Care

EC3000 Series is equipped with **3-stage extendable charger**. The extendable charger design can be stacked in numbers for large-capacity battery charging. A deep battery discharge feature prevents the batteries damage. EC3000 has adjustable battery number to work in normal operation even with 18 batteries.

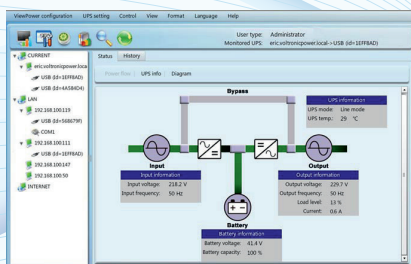
Flexible and Reliable Configurations for all needs

EC3000 Series has selectable operation modes: **Single, N+X Parallel Redundant, Hot Standby, Ecomode, 50/60 Hz Frequency Converter**.

ECO mode operation offers efficiency as high as 98% to cut energy usage & cost. UPS power application via static bypass, timely returning to online double conversion when the need arises.

Monitoring Software ViewPower - UPS Management

All EC3000 units are endowed with CD ViewPower Software and communication cable.



- Allows control and monitoring of multiple UPSs via local PC, LAN or Internet
- User-friendly power analysis graphs
- Real-time dynamic graphs of UPS data
- Safely OS shutdown and protection from data loss during power failure
- Warning notifications via audible alarm, broadcast, mobile messenger and email
- Scheduled UPS on/off, battery test, programmable outlet control and audible alarm
- Password security
- Supports multiple OS and local languages

EC3000/10000/20000/30000VA Technical Guide

MODEL	EC3310	EC3310SC	EC3320	EC3320SC	EC3330	EC3330SC
CAPACITY [VA/W]	10000/9000		20000/18000		30000/27000	
INPUT						
Nominal Voltage	3 x 400 Vac (3Ph+N)					
Voltage Range	190–520 Vac @ 50% load or 305–478 Vac @ 100% load					
Frequency Range	46 ÷ 64 Hz					
Current THD%	< 3%					
Power Factor	≥ 0,99 @ Nominal Voltage (100% load)					
OUTPUT						
Selectable Voltage	3 x400 Vac (3Ph+N)					
AC Voltage Reg. (Batt. Mode)	± 1%					
Freq. Range (Synch. Mode)	46÷54 Hz or 56÷64 Hz					
Freq. Range (Batt. Mode)	50/60 ± 0.1 Hz					
Current Crest Ratio	3:1 (max.)					
Harmonic Distortion	≤ 2% THD (linear load); ≤ 4% (non-linear load)					
Transfer Time AC to Batt. Mode	0 ms					
Inverter to Bypass	0 ms					
EFFICIENCY						
Efficiency	94,2		94,6		95,6	
BATTERY						
VRLA Type	12V / 9Ah	External	12V / 9Ah	External	12V/9Ah	External
Numbers per string	20 (selectable 18-20)					
Internal batteries as standard	20	-	40	-	60	-
Standard backup time	10min	-	10min	-	10min	-
Charging Current (max.)	1 A	4 A	2 A	4 A	4 A	12 A
Charging Voltage	273 Vdc ± 1%					
PHYSICAL AND GENERAL						
Wide (mm)	250				300	250
Deep (mm)	815	592	815	592	815	
Height (mm)	826				1000	826
Weight (kgs)	109	38	164	40	234	64
Noise level at 1m	< 60 dBA		< 65 dBA			
Operating temperature	0 ÷ +40°C					
Relative humidity	< 95% non-condensing					
Altitude site	< 1000m without derating					
Colour	Black Gray 7021					
IP Rating	IP20					
Remote signals	Dry contact (as option)					
Remote Controls	EPO and Bypass (as standard)					
Communications	USB and RS232 ports + slot for communications interface					
Options for communication	SNMP Adapter, Centralized Monitoring Software, Thermal and Humidity sensors, J-Bus/ModBus, ProfiBus, Additional programmable contacts					
Standards	IEC 62040-3, IEC 62040-2, IEC 62040-1-1, CE Mark; IEC 62040-1-1, EN 50091-2, EN 60950, EN 60529 and VFI 111 (Voltage Frequency Independent) VFI-SS-111					
Classification as IEC 62040-3						
Cable entrance	Bottom					
Moving the UPS	Transpallet					
Storage temperature	-25 ÷ +70°C					

* Autonomy is calculated at the typical load.

** Product specifications are subject to change without further notice.