



ERMES

Three Phase Uninterruptible Power Supply

THE ERMES Series UPSs are ideal for all applications where a critical load has to be protected, from the simplest to the most complex installations, when the need for reliability and easy maintenance is most important.



Data center



Medical
equipment



Industry



IT loads



Telecom



Critical buildings



www.itapower.it

Made in Italy

ERMES Three Phase Series (10KVA~200KVA)



SMART ACTIVE efficiency up to 99%

- operating efficiency of 96.5%

ZERO IMPACT SOURCE

- Input current distortion <2.5%
- Input power factor 0.99
- Power walk-in function
- Startup delay function

BATTERY CARE SYSTEM

- One-level voltage recharge
- Two-level voltage recharge according to IU specification
- Charge blocking system

MAXIMUM RELIABILITY AND AVAILABILITY

- Distributed parallel configuration of up to 8 units per redundant (N+1)

LOW RUNNING COSTS

- The smallest overall footprint for ERMES 40 kVA with batteries
- No need for bulky and expensive filters

FLEXIBILITY

- Configurable Energy Share sockets to preserve runtime for the most critical loads or to be activated only when mains power fails
- ON LINE, ECO, SMART ACTIVE and STANDBY OFF operating Modes
- Frequency Converter Mode
- Cold Start to switch on the UPS even when there is no mains power present
- High power battery chargers to optimize charge time in the event of long runtimes

Technical Specifications

MODEL	ER3310	ER33 12	ER3315	ER3320	ER3330	ER3340	ER3360	ER3380	ER33100	ER33125	ER33160	ER33200
INPUT												
Nominal Voltage	380-400-415 Vac three-phase + N											
Nominal Frequency	50/60Hz											
Frequency Tolerance	40-72Hz											
Voltage tolerance	400 V ±20% @ full load											
Power Factor	≥ 0.99 @ nominal voltage (100% load)											
THD	THDI ≤3%										THDI ≤ 2,5%	
OUTPUT												
Nominal Power KVA	10	12	15	20	30	40	60	80	100	125	160	200
Active Power KW	9	10.8	13.5	18	27	36	54	72	90	112.5	160	200
Power Factor	0.9										1	
Number of phases	3+N											
Nominal Voltage	380-400-415 Vac three-phase + N											
Static variation	± 1%											
Nominal Frequency	50/60Hz											
Frequency Range (Batt. Mode)	50 Hz ± 0.1 Hz or 60Hz ± 0.1 Hz											
Current Crest Ratio	3:1 (max.)											
Harmonic Distortion	≤ 2 % THD (Linear Load); ≤ 4 % THD (Non-linear load)											
Frequency stability during Battery operation	0.01%											
Waveform (Batt. Mode)	Pure Sinewave											
BYPASS												
Number of phases	3+N											
Nominal Voltage	380-400-415 Vac three-phase + N											
Nominal Frequency	50/60Hz											
Frequency Tollerance	± 5%											
Voltage Tollerance	180 - 264 V (selectable]											
Bypass overload	125% for 60 minutes, 150% for 10 minutes											
BATTERY												
Battery Type	VLRA AGM/GEL/NiCd/Li-ion/super caps											
Internal Battery Numbers	Up to 80 12V/7Ah or 9Ah						NA	NA	NA	NA	NA	NA
Typical Recharge Time	6 hours											
PHYSICAL												
Dimension, D X W X H (mm)	440 x 850 x 1320						500 x 850 x 1600			650 x 840 x 1600	850 x 840 x 1600	
Net Weight (without battery) (kgs)	110	115	120	125	135	145	190	200	220	250	450	460
ENVIRONMENT												
Humidity	90 % non-condensing											
Noise Level @ 1 Meter ± 2 dB	Less than 40dBA						Less than 60dBA			Less than 58dBA		
IP rating	IP 20											
MANAGEMENT												
Smart RS-232/USB	Supports Windows® 2000/2003/XP/Vista/2008/7/8, Linux and MAC											
Optional SNMP	Power management from SNMP manager and web browser											
STANDARD												
EMC/safety	European Directives: L V 2006/95/CE low voltage Directive EMC 2004/108/CE electromagnetic compatibility Directive Standards: Safety IEC EN 62040-1; EMC IEC EN 62040-2 C2 Classification in accordance with IEC 62040-3 (Voltage Frequency Independent) VFI - SS - 111											

Product specifications are subject to change without further notice

ITAPOWER s.r.l.
Viale Abruzzi, 13/A 20131 Milan (Italy)
Tel. +39 02 954205361
info@itapower.com www.itapower.com

