



ERMES COMPACT

UPS On-Line three phase 3/3 & 3/1

The ERMES C33, for its versatility and small foot print, is suitable for high quality protection for sensitive devices, such as Network, Small Calculation Centers, Servers, Telecommunications, Healthcare/Hospital Appliances and industrial application in general in critical situations.



Data center



Medical
equipment



Industry



IT loads



Telecom



Critical buildings



www.itapower.it

Made in Italy

ERMES COMPACT-

UPS On-Line three phase 3/3 & 3/1

FEATURES

- HIGH EFFICIENCY, up to 98%
- UNITY POWER FACTOR PF.1
- ECO FUNCTION FOR THE ENERGY SAVING
- 50/60 Hz FREQUENCY CONVERTER FUNCTION
- REDUNDANT PARALLEL OPERATION
- POWER FACTOR CORRECTION ON ALL PHASES
- CHARGER POWER ADJUSTABLE, UP TO 24A
- BATTERY VOLTAGE ADJUSTABLE, 32-40 BATT
- EMERGENCY POWER OFF (EPO) FUNCTION



Technical Specifications

ERC33 10K/40K ONLINE UPS 3 /3 & 3/1

MODEL		ERC33-10K		ERC33-20K		ERC33-30K		ERC33-40K z	
PHASE		Triphase input / triphase – monophasic output				Triphase input / triphase output			
POWER		10 KVA / 10 KW		20 KVA / 20 KW		30 KVA / 30 KW		40 KVA / 40 KW	
INPUT									
Nominal voltage		3 x 400Vac (Triphase with neutral on earth)							
Volt Range		305 - 478 VAC (F/F) @ 100% of charge							
		190 - 520 VAC (F/F) @ 50% of charge							
Range Frequency		46~54 Hz @ 50Hz / 56~64 Hz @ 60Hz							
Phases		Triphase with neutral on earth							
Power factor P.F.		≥ 0.99 @ 100% of charge							
OUTPUT									
Output voltage		3 x 360° - 380 - 400 - 415V Triphase with neutral				3 x 360° - 380 - 400 - 415V Triphase with neutral			
		1 x 208 – 220 – 230 – 240V Monophase							
Tolerance Volt (Batt. Mode)		± 1%							
Frequency(Range di sincronizzazione)		46~54 Hz @ 50 Hz / 56~64 Hz @ 60 Hz							
Frequency(Range Batt. Mode)		50 Hz ± 0.1 Hz o 60 Hz ± 0.1 Hz							
Crest current Ratio		3:01							
Harmonic distortion		≤ 2 % THD (linear charge) ≤ 5 % THD (not linear charge)							
Intervention time	Line to battery	Zero							
	Inverter to bypass	Zero							
Wave form (Batt. Mode)		SINUSOIDAL PURE							
Overcharge	Line mode	100%~110%: 60min; 110%~125%: 10min; 125%~150%:1min;>150% immediately							
	Battery mode	100%~110%: 60min; 110%~125%: 10min; 125%~150%:1min;>150% immediately							
EFFICIENCY									
With present line		95.50%							
With power from eco mode		98%							
With power from batteries		94.50%							
BATTERY									
Model Standard	Battery type	12 V / 9 AH				12 V / 7 AH		12 V / 9 AH	
	Battery number	10+10		16+16		2 // 16+16			
	Typical recharging time	9 ore 90% capacity							
	Charge current (max.)	1.0 A ~ 12.0 A adjustable							
	Charging Voltage	+/- 136.5 VDC +/- 10%		+/- 218 VDC +/- 10%					
Model (S) long run	Battery type	It depends on the capacity of the external batteries according to the required autonomy							
	numbers	20		32 ~ 40 adjustable					
	Charge current (max.)	1.0 A ~ 12.0 A adjustable							
	Charging Voltage	+/- 136.5 VDC +/- 10%		+/- 13.65 VDC +/- 10% x N (N = 16 ~ 20 batt)					
INDICATORS									
Panel LCD		4.3" coloredTouch, condition UPS, charge level, battery level, Voltage input/output,							
		discharge time batt. Fault condition							
DIMENSIONS AND WEIGHTS									
Standard Model	Dimension, P x L x H (mm)	626 X 250 X 750				815 X 300 X 1000			
	Nett weight (kg)	124		139		225		250	
Model long run	Dimension, P x L x H (mm)	626 X 250 X 750				815 X 300 X 1000			
	Nett weight (kg)	28		43		60		61	
ENVIRONMENTAL DATA									
Operating humidity		0-90 % RH @ 0- 40°C (without condense)							
Noise		< 60dBA @ 1 Metr		< 65 ~ 70 dB @ 1 Metr					
INTERFACE									
USB		Windows family, Linux, Unix and MAC							
Optional SNMP		Power management per SNMP manager e web browser							

Technical Specifications

ERC33 60K/80K THREE PHASE / THREE PHASE ONLINE UPS			
MODEL		ERC33-60K	ERC33-80K
PHASE		Triphase input / triphase output	
POWER		60 KVA / 60 KW80 KVA / 80 KW	
INPUT			
Nominal Voltage		3 x 400Vac (Triphase with neutral on earth)	
Voltage Range		305 - 478 VAC (F/F) @ 100% of charge	
		190 - 520 VAC (F/F) @ 50% of charge	
Frequency Range		46~54 Hz @ 50Hz / 56~64 Hz @ 60Hz	
Phase		(Triphase with neutral on earth)	
Power factor P.F.		≥ 0.99 @ 100% of charge	
OUTPUT			
Output voltage		3 x 360* - 380 - 400 - 415V Triphase with neutral	
Tolerance Volt (Batt. Mode)		± 1%	
Frequency (Range of syncro)		46~54 Hz @ 50 Hz / 56~64 Hz @ 60 Hz	
Frequency(Range Batt. Mode)		50 Hz ± 0.1 Hz o 60 Hz ± 0.1 Hz	
Crest current Ratio		3:01	
Harmonic distortion		≤ 2 % THD (linear charge) ≤ 5 % THD (not linear charge)	
Intervention time	Line to battery	Zero	
	Inverter to bypass	Zero	
Wave form (Batt. Mode)			
Overcharge	Line mode	100%~110%: 60min; 110%~125%: 10min; 125%~150%:1min;>150% innediately	
	Battery mode	100%~110%: 60min; 110%~125%: 10min; 125%~150%:1min;>150% innediately	
EFFICIENCY			
With present line		95.50%	
With power from eco mode		98%	
With power from batteries		94.50%	
BATTERY			
	Battery type	It depends on the capacity of the external batteries according to the required autonomy	
(S) long run Model	numbers	32 ~ 40 adjustable	
	Charge current (max.)	2 A ~ 24 A adjustable	
	Charging Voltage	+/- 13.65 VDC +/- 10% x N (N = 16 ~ 20 batt)	
INDICATORS			
Panel LCD		4.3" coloredTouch, condition UPS, charge level, battery level, Voltage input/output,	
		discharge time batt. Fault condition	
DIMENSIONS AND WEIGHTS			
Dimensioni, P x L x H (mm)	Dimensions, P x L x H (mm)	815 X 300 X 1000	
	Nett weight (kg)	108113	
ENVIRONMENTAL DATA			
Operating humidity		0-90 % RH @ 0- 40°C (without condensenza)	
Noise		< 70dBA @ 1 Metr< 75 dB @ 1 Metr	
INTERFACE			
USB		Windows family, Linux, Unix and MAC	
Optional SNMP		Power managemnt per SNMP manager e web browser	