

EPS Pro

EPS PRO 20KVA 3T 1H

Central Power Supply compliant with EN 50171 standards
Protection against battery inversion
Designed for use in emergency or safety-related applications
Long battery autonomy and fast recharge times (< 12 hours)
Continuous overload of 120%
10-year life batteries
Dual input as standard

Order code 30161K1

Technical specifications

INPUT

Voltage	380 / 400 / 415 V three-phase + N
Voltage tolerance	400 V $\pm 20\%$ @ full load
Frequency tolerance	40 - 72 Hz
Power factor	≥ 0.99

BY PASS

Rated voltage	380 / 400 / 415 V three-phase + N
Voltage tolerance	180 - 264 V (selectable)
Rated frequency	50 / 60 Hz
Frequency tolerance	$\pm 5\%$ (selectable)
Number phases	3 + N

OUTPUT and INVERTER OUTPUT

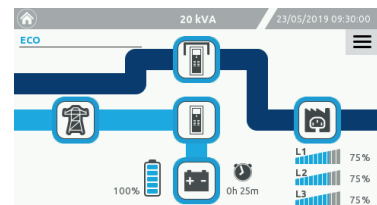
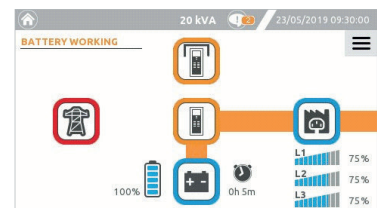
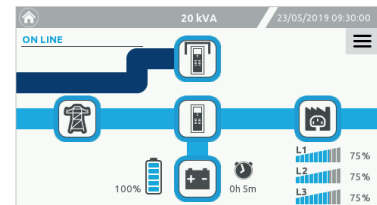
Rated power	20000 VA
Active power	20000 W
Power according with EN 50171	16000 VA / W
Rated voltage	380 / 400 / 415 V three-phase + N
Crest factor (I _{peak} /I _{rms})	3 : 1
Waveform	Sinusoidal
Frequency	50 / 60 Hz (selectable)
Voltage distortion with non-linear load	$\leq 1.5\%$
Voltage distortion with linear load	$\leq 1\%$

BATTERIES - AUTONOMY

AGM-VRLA	40x 70Ah - 10 YEARS expected lifespan
Autonomy	1h
Type of charging	One level, Two level, Cyclic recharge (selectable)

ENVIRONMENTAL

Color	Gray RAL 7035
Communication	Status led - Color graphic touch screen display - 2 communication interface slots - USB - RS232 - RS485 - 4 relay outputs - 5 opto-isolated input
Accessories provided	MODBUS / RS485, Potential free contacts
Protections	Overcurrent - short circuit - overvoltage - undervoltage - temperature - excessive low battery
Noise (at 1 m)	<40 [dBA ± 2]
Operating temperature	0 °C - +40 °C Batteries 20 °C - +25 °C
Relative humidity	5-95% non-condensing
Type of sockets	Terminal block
Protection rating	IP20
Weight	107 kg
Dimensions (h w d)	1320x440x840 mm



Weight Battery cabinet	180 kg
Dimensions (h w d) Battery cabinet	1900x860x800 mm
Weight Battery	1012 kg

Certificates and standards

EN50171 - European directives: L V 2014/35/EU low voltage; EMC 2014/30/EU electromagnetic compatibility -- Directive and Standards: Safety IEC EN 62040-1; EMC IEC EN 62040-2; RoHS compliant -- Classification in accordance with IEC 62040-3 VFI - SS - 111

Accessories



30167
EMERGENCY SWITCH 25 KVA 3-PHASE