



Specifications

AC PowerCube

24 / 4000

06-04-2023

NUMERO DELL'ARTICOLO

60203003

AC PowerCube 24 / 4000

GENERALE

Nominal output voltage	230 V ($\pm 5\%$), Phase, Neutral, Earth *)
Nominal output frequency (adjustable to 60 HZ)	50 Hz ($\pm 0,01$ Hz)
Nominal battery voltage	24 VDC
Nominal power P30 (cos phi = 1) (30 min at 40°C)	4000 W
Peak power (20 s)	7000 W
Continuous power (cos phi = 1) (40°C)	3000 W
AC connection (output)	Internal terminal block, screw terminal (4 .. 6 mm ²)
DC connection	2 x M10
Minimum capacity of battery bank	260 Ah
Efficiency	> 85%
Peak efficiency	> 92%
Dimensions(W x D x H-mm)	334 x 195 x 575
Weight	13 kg
Noise level (at 1m)	< 48 dBA
Operation	Power switch (on / off / remote), the DC inputs (on / off), Remote panel switch (On / Off) *
Indicators	AC present, DC 1 present, DC (1) load, DC 2 present, DC (2) load, AC current, AC voltage
Safety	Short circuit, overload, overheating, battery voltage too low / high

SPECIFICHE TECNICHE

Technology	Six-step multiphase flyback, Switched mode technology
Low battery switch off	20 V (± 0.5 V)
Low battery switch on	22 V (± 0.5 V)
High battery switch off	32 V (± 0.5 V)
High battery switch on	30 V (± 0.5 V)
Maximum ripple on DC (battery)	5% RMS
Input current (nominal load)	200 A
Consumption (no load)	<300 mA, 6 W
Total harmonic distortion (THD)	< 5% (normal)

Allowable power factor

$0 < \cos \phi < 1$

CONDIZIONI

Ambient operating temperature

-20°C .. 40°C

Storage temperature

-25°C .. 80°C (derating above 40 °C)

Relative humidity

Max 95%, non-condensing

International Protection rating

IP23

Cooling

Natural / forced

CONFORMITÀ

EU Directive

EMC Directive 2004/108 / EC, EMC 2004/104 / EC (automotive), Low Voltage Directive 2006/95 / EC

EN 55022 (emission) EN 61000-3-2 (harmonic distortion), EN 61000-4-11, EN 61000-3-3 (voltage variations), EN 61000-6-2 A (immunity) and EN

Standards

60950-1 (safety) AND 68-2-6 (vibration), EN 60945 (navigation and radio communications), UL 458