

Product datasheet

Specifications



Easy UPS 3S 20 kVA 400 V 3:1 UPS with internal batteries - 15 minutes runtime

E3SUPS20K3IB1

Overview

Presentation Easy-to-install, easy-to-operate, easy-to-maintain, and easy-to-service 20 kVA 3:1 UPS. With advanced product features, competitive specifications, and robust electrical design, the Easy UPS 3S UPS makes business continuity easy for small and medium data centers and electrical rooms. Includes dust filter and conformance-coated boards for harsh environments, and 2 internal 7Ah modular battery strings, expandable to 3 strings for extended runtime.

Lead time Usually Ships within 6 Weeks

Main

Main Input Voltage 400 V 3 phases

Other Input Voltage 380 V
415 V

Main Output Voltage 230 V

Other Output Voltage 220 V
240 V

Rated power in W 20 kW

Rated power in VA 20 kVA

Provided equipment Dust filter
Installation guide

Physical

Colour White (RAL 9003)

Height 140 cm

Width 38 cm

Depth 90.7 cm

Net weight 177 kg

USB compatible Yes

Input

Maximum input current 37 A

Input harmonic distortion Less than 5 % for full load

Input Power Factor at Full Load 0.99

Input voltage limits 304...477 V

Input protection type Circuit breaker and fuse

Network frequency 45...65 Hz

Output

Maximum configurable power in VA	20 kVA
Maximum configurable power in W	20 kW
Output frequency	50 Hz sync to mains 60 Hz sync to mains
Harmonic distortion	Less than 3 %
Output harmonic distortion	< 5.5% at 100% non-linear load
Output overload operation	10 minutes at 125% and 60 seconds at 150%
Output voltage tolerance	+/- 1.5 %
UPS type	Double conversion online
Additional information	UPS weight does not include battery weight.
Crest factor	3 : 1

Conformance

Product certifications	CE EAC RCM
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Environmental

Ambient air temperature for operation	0...40 °C
Relative humidity	0...95 % non-condensing
Operating altitude	0...3281 ft
Ambient air temperature for storage	-15...40 °C
Storage Relative Humidity	0...95 % non-condensing
Storage altitude	0.00...15240.00 m
Acoustic level	60 dBA
Heat dissipation	870 Btu/h
IP degree of protection	IP20

Batteries & Runtime

Battery type	VRLA
Battery voltage	240 V
Maximum short-circuit current	10 kA
Number of battery filled slots	2
Number of battery free slots	1
Max current discharge	54 A
Discharge battery voltage	+/- 198 V DC

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	164 cm
Package 1 Width	101.4 cm

Package 1 Length	56.3 cm
Package 1 Weight	186 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
Optimized Energy Efficiency	Energy efficient product

Contractual warranty

Warranty	1 year on-site repair or replace with factory authorized Start-Up
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Recommended replacement(s)