

# Product data sheet

Specifications



## Easy UPS 3S 20 kVA 400 V 3:1 UPS for internal batteries

E3SUPS20K3IB

### Overview

**Presentation** High-efficiency 3-phase UPS that features advanced product features, competitive specifications, and robust electrical design, making business continuity easy in the data center or electrical room. This is an exceptionally easy to install, operate, maintain, and service 20 kVA UPS, ideal for small and medium businesses. Includes dust filter and conformance-coated boards for harsh environments. This UPS is for internal batteries, but is supplied without batteries, so you can easily customize the battery runtime. For battery runtime details, see the runtime charts published under the Documents tab.

**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** 20000 W

**Rated power in VA** 20000 VA

**Provided equipment** Dust filter  
Installation guide

### Physical

**Colour** White (RAL 9003)

**Height** 140 cm

**Width** 38 cm

**Depth** 90.7 cm

**Net weight** 150 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
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## Output

Maximum configurable power in VA	20000 VA
Maximum configurable power in W	20000 W
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
Crest factor	3 : 1

## Conformance

Product certifications	CE EAC RCM
Standards	IEC 62040-1-1 IEC 62040-2 IEC 62040-3 IEC 62040-4 ISTA 2B

## 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	-25...55 °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	0
Number of battery free slots	3
Max current discharge	54 A
Discharge battery voltage	+/- 198 V DC

## Packing Units

Package 1 Weight	158 kg
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Package 1 Height	164 cm
Package 1 width	56.3 cm
Package 1 Length	101.4 cm

## Offer Sustainability

REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a>
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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