# Product data sheet

Specifications



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

E3SUPS20KH

## 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 supplied without batteries, so you can easily customize the battery solution. |
| **Lead time** | Usually Ships within 6 Weeks |

## Main

| | |
|---|---|
| **Main Input Voltage** | 400 V 3 phases |
| **Other Input Voltage** | 380 V<br>415 V |
| **Main Output Voltage** | 400 V 3 phases |
| **Other Output Voltage** | 380 V<br>415 V |
| **Rated power in W** | 20 kW |
| **Rated power in VA** | 20 kVA |
| **Provided equipment** | Dust filter<br>Installation guide |

## Batteries & Runtime

| | |
|---|---|
| **Battery type** | External battery system |
| **Maximum short-circuit current** | 10 kA |
| **Number of battery filled slots** | 0 |
| **Number of battery free slots** | 0 |

## Physical

| | |
|---|---|
| **Colour** | White (RAL 9003) |
| **Height** | 77 cm |
| **Width** | 25 cm |
| **Depth** | 80 cm |
| **Net weight** | 58 kg |
| **USB compatible** | Yes |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

## Input

| | |
|---|---|
| **Maximum input current** | 37 A |
| **Load power factor** | 0.9 leading to 0.9 lagging |
| **Input Power Factor at Full Load** | 0.99 |
| **Input voltage limits** | 304...477 V |
| **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<br>60 Hz sync to mains |
| **Harmonic distortion** | Less than 3 % |
| **Output harmonic distortion** | < 3% linear load |
| **Output overload operation** | 10 minutes at 125% and 60 seconds at 150% |
| **UPS type** | Double conversion online |
| **Bypass type** | Built-in maintenance bypass |
| **Crest factor** | 3 : 1 |

## Conformance

| | |
|---|---|
| **Product certifications** | CE<br>EAC<br>RCM |

## 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…14999.82 m |
| **Acoustic level** | 60 dBA |
| **Heat dissipation** | 900 Btu/h |
| **IP degree of protection** | IP20 |

## Packing Units

| | |
|---|---|
| **Unit Type of Package 1** | PCE |
| **Number of Units in Package 1** | 1 |
| **Package 1 Height** | 101.5 cm |
| **Package 1 Width** | 98.2 cm |
| **Package 1 Length** | 40 cm |
| **Package 1 Weight** | 75 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)<br>EU RoHS Declaration |
| **Mercury free** | Yes |
| **China RoHS Regulation** | China RoHS declaration<br>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 |

### Recommended replacement(s)