

# Specifications



Photo is representative

## Eaton 93E20KMBSB

Eaton 93E UPS, Tower Online UPS, 20 kVA, 3 phase in/3 phase out, Power factor 0,9, Internal Maintenance Bypass Switch, 93E 20kVA

### General specifications

<b>PRODUCT NAME</b>	Eaton 93E UPS
<b>CATALOG NUMBER</b>	93E20KMBSB
<b>EAN</b>	3553340693076
<b>PRODUCT LENGTH/DEPTH</b>	710 mm
<b>PRODUCT HEIGHT</b>	960 mm
<b>PRODUCT WIDTH</b>	500 mm
<b>PRODUCT WEIGHT</b>	145 kg
<b>COMPLIANCES</b>	CE Marked RoHS Compliant CB
<b>CERTIFICATIONS</b>	IEC/EN 62040-2 IEC/EN 62040-1 EN 62040-3 Manufactured in a plant certified to ISO 9001 and ISO 14001 management system standards



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## Product specifications

<b>AUDIBLE ALARMS</b>	Yes
<b>AUTO SHUTDOWN FUNCTION</b>	Yes
<b>INTERNAL BATTERY INCLUDED</b>	No, kits available
<b>USER REPLACABLE BATTERIES</b>	No
<b>BATTERY CHARGER TYPE</b>	ABM technology
<b>EXTERNAL BATTERY CONNECTION</b>	Hardwired
<b>COLOR</b>	Black
<b>CONSTRUCTION TYPE</b>	Free standing model
<b>EFFICIENCY (ECO-MODE)</b>	98 %
<b>IMPROVED EFFICIENCY MODE</b>	High Efficiency
<b>NUMBER OF COMMUNICATION SLOTS</b>	2
<b>FEED TYPE</b>	AC
<b>FORM FACTOR</b>	Tower
<b>HOT-SWAPPABLE POWER MODULES</b>	No
<b>INPUT CONNECTION</b>	Fixed connection
<b>INPUT NOMINAL VOLTAGE</b>	400V default (380/400/415V)
<b>NUMBER OF OUTPUT CONNECTIONS FIXED CONNECTION</b>	1
<b>OUTPUT FREQUENCY</b>	50 Hz (50/60 Hz programmable)
<b>OUTPUT POWER FACTOR</b>	0.9
<b>OVERALL EFFICIENCY</b>	94 %
<b>PACKAGE CONTENTS</b>	<ul style="list-style-type: none"> <li>• UPS</li> <li>• User manual</li> <li>• Safety instructions</li> </ul>
<b>PARALLELABLE</b>	Parallel for capacity and redundancy
<b>NUMBER OF PARALLEL UNITS</b>	4
<b>PHASE (INPUT)</b>	3
<b>PHASE (OUTPUT)</b>	3
<b>POTENTIAL FREE SWITCH CONTACT</b>	No
<b>SNMP</b>	No
<b>START-ON-BATTERY</b>	No
<b>TOPOLOGY</b>	Online

## Resources

BROCHURES	<a href="#">Eaton-93e-ups-15-200kva-Brochure-EN</a>
	<a href="#">Eaton 93E UPS 15-80 kVA datasheet</a>
	<a href="#">Eaton UPS and battery services - EN</a>
	<a href="#">Eaton UPS Services Quick Guide - EN</a>
COMPLIANCE INFORMATION	<a href="#">Eaton 93E UPS 15-80 kVA CE DoC</a>
MANUALS AND USER GUIDES	<a href="#">Eaton 93E UPS 15-80 kVA Installation and operation manual</a>

<b>TYPE OF INTERFACE</b>	Other
<b>INTERNAL MAINTENANCE BYPASS</b>	Yes
<b>USER INTERFACE (HMI)</b>	Graphical LCD
<b>KVA RATING</b>	20 kVA
<b>WATTAGE</b>	18 kW
<b>APPLICATION</b>	Data center/ facility/IT
<b>OUTPUT EFFECTIVE POWER</b>	18000 W
<b>TRANSITION TIME FOR FULL LOAD</b>	0 s
<b>EFFICIENCY (IMPROVED EFFICIENCY MODE)</b>	98 %
<b>VOLTAGE DISTORTION OUTPUT (LINEAR LOAD) - MAX</b>	2 %
<b>INTEGRATED FUNCTIONALITY</b>	Network Mangement
<b>COMMUNICATION INTERFACE</b>	USB RS232
<b>INPUT FREQUENCY - MIN</b>	50 Hz
<b>INPUT FREQUENCY - MAX</b>	60 Hz
<b>INPUT VOLTAGE - MIN</b>	380 V
<b>INPUT VOLTAGE - MAX</b>	415 V
<b>OUTPUT VOLTAGE - MIN</b>	380 V
<b>OUTPUT VOLTAGE - MAX</b>	415 V
<b>SECONDARY FREQUENCY MIN</b>	50 Hz
<b>SECONDARY FREQUENCY MAX</b>	60 Hz
<b>OUTPUT APPARENT POWER</b>	20000 VA
<b>PRIMARY FREQUENCY - MAX</b>	60 Hz
<b>PRIMARY FREQUENCY - MIN</b>	50 Hz
<b>RUNTIME AT HALF LOAD</b>	0 min
<b>RUNTIME AT FULL LOAD</b>	0 min
<b>MOUNTING METHOD</b>	Tower
<b>POWER CONSUMPTION</b>	296

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



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