

User Interface

Large LCD graphically displays UPS status and offers easy access to measurements, controls and settings.



Connectivity

With Eaton® Mini-Slot connectivity cards, you can monitor, manage and remotely shutdown UPSs across the network.

- Network Card-MS Web/SNMP Card allows you to connect your 93E UPS directly to the Ethernet network and the Internet.
- Network and MODBUS Card-MS provides remote monitoring of a UPS system through a Building Management System (BMS) or Industrial Automation System (IAS).
- Relay Card-MS provides an RS232 port and the dry-contact interface between your Eaton UPS and any relay-connected computer.
- Industrial Relay Card-MS provides a hard-wired dry-contact relay interface for industrial applications



Software

Eaton's Intelligent Power® Software Suite incorporates two important applications for ensuring quality power and uptime: monitoring and management of power devices across the network combined with automatic, graceful shutdown when faced with an extended power outage.



To learn more, please visit www.eaton.com/intelligentpower

TECHNICAL SPECIFICATIONS¹

Power	
Ratings	80kVA/72kW, 100kVA/90kW, 120kVA/108kW, 160kVA/144kW, 200kVA/180kW, 300kVA/270kW, 400kVA/360kW
Topology	Double-conversion online UPS
Electrical Input	400/230V, 4 wire (380/415V selectable)
Input Voltage Range	-15%, +20% from nominal (400V) at 100% load without depleting battery
Operating Frequency	50/60 Hz (40 to 72 Hz)
Input Power Factor	>0.99 typical
Input Current Distortion	≤5% THD
Electrical output	
Nominal Output Voltage	400/230, 4 wire (380/415V selectable)
Output Voltage Regulation	±1% Static; ±5% dynamic at 100% resistive load change, <20 ms response time
Battery	
Battery	216/240 Cells (Selectable)
Charging Method	ABM Cyclic Charging
General	
Efficiency	Up to 98.5% High-efficiency mode Up to 94% Double-conversion mode
UPS Bypass	Automatic on overload or UPS failure
Dimensions W x D x H	600 x 800 x 1876 (mm) 80-200kVA 1600 x 820 x 1880 (mm) 300/400kVA
Cabinet rating	IP20 with standard washable dust filters
Weights	80/100 kVA - 283 kg, 120kVA - 311 kg 160/200kVA - 457 kg, 300/400kVA - 1090 kg
Overload	150% for 1 minute, 125% for 10 minutes >150% for 150ms

Communications	
Display	Graphical LCD with blue backlight
LEDs	(4) LEDs for notice and alarm
Audible Alarms	Yes
Communication Ports	(1) RS-232, (1) USB, (1) EPO
Communication Slot	(2) Mini-slot communication bays
Environmental	
Operating Temperature	0°C to +40°C ; Batteries recommended max. +25°C
Storage Temperature	-25°C to +55°C without batteries +15°C to +25°C with batteries
Relative Humidity	5–95%, non-condensing
Audible Noise	80-120kVA ≤65 dBA at 1m typical 160-200kVA ≤70 dBA at 1m typical 400kVA ≤73 dBA at 1m typical
Altitude	<1000m at +40°C
Certifications	
EMI Standards	EN55022/EN55024
EMC Compliance	IEC 62040-2
Quality	ISO 9001: 2000 and ISO 14001:1996
Accessories	
Top Cable Entry (80-200kVA, standard on 300-400kVA)	
Maintenance Bypass Switches and System Parallel Modules	
Battery Cabinets & Battery Circuit Breakers, IP21 hood (80-200kVA)	

1. Due to continuous product improvements, specifications are subject to change without notice.

Eaton Australia
Sales 1300 877 877
Service 1300 303 059

Eaton New Zealand
Sales 0508 328 6669

10 Kent Road Mascot,
NSW 2020 Australia
1300 UPS UPS (1300 877 877)
aupqsales@eaton.com
www.eaton.com/powerquality

1 Barry Hogan Place,
Christchurch 8041 NZ
0508 EATON NZ (0508 328 6669)
NZSales@eaton.com
www.eaton.com/powerquality