

Eaton 5EL UPS

Reliable Power Protection with long battery backup



The Eaton 5EL Line-Interactive UPS affordably protects critical applications from downtime, data loss and corruption caused by power fluctuations and long term outages.

With built-in Double Boost and Buck Automatic Voltage Regulation, the 5EL is perfect for areas where the supply voltage is constantly unstable.

Designed for applications requiring long power backup time, the 5EL also features a high capacity battery charger to enable fast recharge of its external battery.

Product Snapshot

Power Rating : 1 kVA - 2 kVA

Configuration : Tower

Voltage : 230V

Frequency : 50/60 Hz (auto-sensing)

Technology : High-frequency line-interactive

Features

- Line-Interactive conversion topology & robust design assures maximum reliability
- Double Boost & Buck voltage regulation provides stabilised output
- Stepped sine wave to provide high efficiency
- Wide input-voltage range appropriate for the harshest electrical environments
- 4 India type 6A output receptacles
- 10 Amp Built-in Charger for long backup time
- Tested for generator compatibility
- Auto-restart function
- Optional RS-232 communications
- Cold start on battery power allows portable power
- WINPOWER software monitors power conditions

Line-Interactive Topology

This topology guarantees consistent reliability and high level of power quality. Whatever the supply disturbances, the output waveform is stabilised via double boost and buck mode. The battery is used only as a backup source.

High performance and reliability

The 5EL features microprocessor control that delivers modified sine wave output offering the highest levels of reliability and efficiency, all in a compact design.

Wide Input-voltage range

The 5EL has a very wide input voltage range of 140-300 V, optimised to improve compatibility with engine generator sets and reduce the number of transfers to battery power.

Cold start on battery power

This function ensures trouble free start-up of your applications even during a utility power outage.

High-performance battery charger

The 5EL battery charger:

- Reduces battery recharge time
- Protects the battery against damage caused by deep discharge
- 10 Amp inbuilt charger augments charging capacity for long run time applications



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TECHNICAL SPECIFICATIONS

Model Numbers: VA/Watts	1000 VA/600 W	2000 VA/1200 W
Model	5EL 1000IN	5EL 2000IN
Technology	Line - Interactive with Microprocessor Control Design	
Input / Output		
Nominal Input Voltage	220 VAC 1 Phase	
Input Voltage Window @ Full Load	140 - 300 VAC (load dependent)	
Input Power Factor	0.98	
Frequency & Frequency Range	45 - 65 Hz	
Nominal Output Voltage	230 V	
Output Voltage on Battery	+ 12 % / -18%	
Overload Performance	120% for 1 Minute	
Data Line Protection	Network/Fax/Modem line surge protection (RJ45)	
Input Connection	Fixed Cord IN 10A	Fixed Cord IN 10A
Output Receptacles	4 IN 6A	4 IN 6A
Battery		
Battery Quantity	1 x 12 V	2 x 12 V
Re-charge Time to 90% Capacity	5 hours	
Maximum Charge Current	10A	
Start-On-Battery	UPS can be started without being connected to AC utility power	
User Interface		
Visual	Line Mode: Green LED ; Battery Mode: Yellow LED Fault: Red LED blinking	
Control	One button for On/Off and Test/Alarm Silence	
Communications / Management		
Power Management Software	WinPower Management Software	
Connection Type	RS232/USB Port Optional	
Environment		
Operating Temperature	0°C ~ 40°C	
Storage Temperature	-15°C ~ 50°C	
Humidity	0 ~ 90%	
Noise Level	<50 dB	
Dimensions & Weight		
Dimensions (W x H x D) mm	224x100x402	224x100x402
Gross Weight (kg)	4.6	6.6

In the interest of continuous product improvement, all specifications are subject to change without notice.



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