

Eaton 5P850IRG2BS

Catalog Number: 5P850IRG2BS

Eaton 5P UPS, 850 VA, 680 W, Input: C14, Outputs: (4) C13, Rack, 1U, BS Input cord

General specifications



Product Name
Eaton 5P Gen2 UPS

Catalog Number
5P850IRG2BS

EAN
3553340710483

Product Length/Depth
509 mm

Product Height
43.2 mm

Product Width
438 mm

Product Weight
13.7 kg

Warranty
3 year on electronics, 2 year on battery

Compliances
LVD Directive (CB)
EMC Directive
RoHS Directive
WEEE Directive
Packaging Directive
Batteries Directive

Certifications
IEC/EN 62040-1
IEC/EN 62040-2
IEC/EN 62040-3
UL 1778
CSA-C22.2
CE
UKCA
Cm
Ukr
KCC
cTUVus
BIS

Special features

Automatic Voltage Regulation (AVR)
High-density protection for networks: 1U only
Energy efficient, reduce energy and cooling costs
Delivers clean sinewave output
1 slot for optional com card (Network management card, Relay card or Network and Industrial card)
Compatible with Virtual environments (VMware, Hyper-V, Citrix Xen, Redhat)
Fully integrates with Eaton Brightlayer Software suite
1 USB port + 1 serial port
Advanced Battery Management (ABM+) technology to increase battery lifetime and improve life time prediction accuracy
Next-generation graphical LCD display
Hot swappable batteries
Remote reboot and runtime optimization thanks to 2 manageable outlet groups
BS Input cord

Type

UPS

Topology

Line-interactive

Form factor

Rack

Rack size

1U

Construction type

482.6 mm (19 inch) device

Application notes

[Runtime graph - 5P850IRG2](#)

Color

Black/silver

Enclosure

Black/silver

VA rating

850 VA

Wattage

680 W

Rack mounting kit

Yes

Package contents

- Rack-mounting kit
- Cable locking system
- USB cable
- (2) IEC-IEC cables
- Quickstart guide
- Safety instructions
- BS Input cord

Auto shutdown function

Yes

Primary frequency - max

70 Hz

Primary frequency - min

47 Hz

Input connection

C14

Input nominal voltage

230V default (200/208/220/230/240V)

Nominal frequency

50-60 Hz

Input frequency range

47-70 Hz (50 Hz system), 56.5-70 Hz (60 Hz system), 40 Hz in low sensitivity mode

Receptacle

(4) C13

Number of Outputs C13

4

Output waveform

Sine wave

Voltage

230V

Output nominal voltage

230V default (200/208/220/230/240V)

Feed type

1

Voltage type

AC

Runtime graph

\$row.attributeValue.cdata

Battery management

ABM or constant voltage charging method (user selectable),
automatic battery test, deep discharge protection

Battery replacement

User replaceable

Battery rating

6 V / 7 Ah

Battery type

Lead-acid maintenance-free (replaceable)

Extended battery capability

No

Runtime at half load

13 min

Communication

USB port (HID compliant)

Serial port (RS232)

Mini-terminal block for
remote On/Off and Remote

Power Off

Dry contacts (2 outputs,
optocoupler, RJ)

Expansion slots

One slot for optional communication card

Ethernet interface

No

Includes network card

No

Software compatibility

Eaton Brightlayer Software suite

User interface

Multilingual graphical LCD display

Type of interface

Other

Potential free switch contact

Yes

Altitude

3000 m

BTU Rating

Online: 46, Battery: 307 BTU/hr

Noise level

<35 dB at 1 meter

Relative humidity

0-90% non-condensing

Temperature range

0-90% non-condensing

Input voltage - max

294 V

Input voltage - min

150 V

Output voltage - max

240 V

Output voltage - min

200 V

Secondary frequency - max

60 Hz

Secondary frequency - min

50 Hz

Battery quantity

4

Efficiency

98

Input voltage range

160-294 V (adjustable to 150 V-294 V)

Output frequency

50/60 Hz

Output power factor

0,8

Output voltage range

230 V (+6%/-10%)

Phase (input)

1

Phase (output)

1

Runtime at full load

4



Eaton Corporation plc
Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com

© 2024 Eaton. All rights reserved.

Eaton is a registered trademark.

All other trademarks are property of their respective owners.



[Eaton.com/socialmedia](https://www.eaton.com/socialmedia)