

# Eaton 5P850IRNG2

Catalog Number: 5P850IRNG2

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

## General specifications



### Product Name

Eaton 5P Gen2 UPS

### Catalog Number

5P850IRNG2

### EAN

3553340710391

### 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  
Network card included

### Type

UPS

### Topology

Line-interactive

### Form factor

Rack

### Rack size

1U

### Construction type

482.6 mm (19 inch) device

#### 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
- Network card

#### 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

View runtime graph

#### 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

Yes

#### Includes network card

Yes

#### 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



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