

# Specifications

## Eaton 5P650IRG2BS

Eaton 5P Gen2 UPS, 650 VA, 520 W, Input: C14, Outputs: (4) C13, Rack, 1U, BS Input cord

### General specifications

|                             |                                                                                                                               |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| <b>PRODUCT NAME</b>         | Eaton 5P Gen2 UPS                                                                                                             |
| <b>CATALOG NUMBER</b>       | 5P650IRG2BS                                                                                                                   |
| <b>EAN</b>                  | 3553340710469                                                                                                                 |
| <b>PRODUCT LENGTH/DEPTH</b> | 361 mm                                                                                                                        |
| <b>PRODUCT HEIGHT</b>       | 43.2 mm                                                                                                                       |
| <b>PRODUCT WIDTH</b>        | 438 mm                                                                                                                        |
| <b>PRODUCT WEIGHT</b>       | 8.863 kg                                                                                                                      |
| <b>WARRANTY</b>             | 3 year on electronics, 2 year on battery                                                                                      |
| <b>COMPLIANCES</b>          | LVD Directive (CB)<br>EMC Directive<br>RoHS Directive<br>WEEE Directive<br>Packaging Directive<br>Batteries Directive         |
| <b>CERTIFICATIONS</b>       | IEC/EN 62040-1<br>IEC/EN 62040-2<br>IEC/EN 62040-3<br>UL 1778<br>CSA-C22.2<br>CE<br>UKCA<br>Cm<br>Ukr<br>KCC<br>cTUVus<br>BIS |



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## Battery

|                                    |                                                                                                              |
|------------------------------------|--------------------------------------------------------------------------------------------------------------|
| <b>BATTERY TYPE</b>                | Lead-acid maintenance-free (replaceable)                                                                     |
| <b>RUNTIME GRAPH</b>               | \$row.attributeValue.cdata                                                                                   |
| <b>BATTERY REPLACEMENT</b>         | User replaceable                                                                                             |
| <b>BATTERY QUANTITY</b>            | 2                                                                                                            |
| <b>BATTERY MANAGEMENT</b>          | ABM or constant voltage charging method (user selectable), automatic battery test, deep discharge protection |
| <b>BATTERY RATING</b>              | 6 V / 9 Ah                                                                                                   |
| <b>EXTENDED BATTERY CAPABILITY</b> | No                                                                                                           |

## Electrical input

|                              |                                                                                   |
|------------------------------|-----------------------------------------------------------------------------------|
| <b>INPUT CONNECTION</b>      | C14                                                                               |
| <b>INPUT NOMINAL VOLTAGE</b> | 230V default (200/208/220/230/240V)                                               |
| <b>NOMINAL FREQUENCY</b>     | 50-60 Hz                                                                          |
| <b>INPUT VOLTAGE RANGE</b>   | 160-294 V (adjustable to 150 V-294 V)                                             |
| <b>INPUT FREQUENCY RANGE</b> | 47-70 Hz (50 Hz system), 56.5-70 Hz (60 Hz system), 40 Hz in low sensitivity mode |

## Electrical output

|                               |                                     |
|-------------------------------|-------------------------------------|
| <b>RECEPTACLE</b>             | (4) C13                             |
| <b>VOLTAGE</b>                | 230V                                |
| <b>WATTAGE</b>                | 520                                 |
| <b>OUTPUT POWER FACTOR</b>    | 0,8                                 |
| <b>OUTPUT VOLTAGE RANGE</b>   | 230 V (+6%/-10%)                    |
| <b>OUTPUT WAVEFORM</b>        | Sine wave                           |
| <b>OUTPUT NOMINAL VOLTAGE</b> | 230V default (200/208/220/230/240V) |
| <b>FEED TYPE</b>              | 1                                   |
| <b>TOPOLOGY</b>               | Line-interactive                    |
| <b>VA RATING</b>              | 650 VA                              |

## Communications

|                                      |                                                                                                                                                                                                                                   |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>INCLUDES NETWORK CARD</b>         | No                                                                                                                                                                                                                                |
| <b>COMMUNICATION</b>                 | <ul style="list-style-type: none"><li>• USB port (HID compliant)</li><li>• Serial port (RS232)</li><li>• Mini-terminal block for remote On/Off and Remote Power Off</li><li>• Dry contacts (2 outputs, optocoupler, RJ)</li></ul> |
| <b>ETHERNET INTERFACE</b>            | No                                                                                                                                                                                                                                |
| <b>USER INTERFACE</b>                | Multilingual graphical LCD display                                                                                                                                                                                                |
| <b>POTENTIAL FREE SWITCH CONTACT</b> | Yes                                                                                                                                                                                                                               |
| <b>EXPANSION SLOTS</b>               | One slot for optional communication card                                                                                                                                                                                          |
| <b>SOFTWARE COMPATIBILITY</b>        | Eaton Brightlayer Software suite                                                                                                                                                                                                  |
| <b>TYPE OF INTERFACE</b>             | Other                                                                                                                                                                                                                             |

## Environmental

|                          |                           |
|--------------------------|---------------------------|
| <b>ALTITUDE</b>          | 3000 m                    |
| <b>NOISE LEVEL</b>       | <35 dB at 1 meter         |
| <b>TEMPERATURE RANGE</b> | 0° to 40°C (32° to 104°F) |
| <b>RELATIVE HUMIDITY</b> | 0-90% non-condensing      |

## Resources

|                                   |                                                                                                             |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------|
| <b>APPLICATION NOTES</b>          | <a href="#">Runtime graph - 5P650IRG2</a>                                                                   |
| <b>BROCHURES</b>                  | <a href="#">Eaton 5P Gen2 UPS datasheet</a>                                                                 |
| <b>DECLARATIONS OF CONFORMITY</b> | <a href="#">EU Declaration of conformity Eaton 5P Gen2 UPS</a>                                              |
| <b>MANUALS AND USER GUIDES</b>    | <a href="#">Eaton 5P Gen2 Rack - Advanced user guide</a><br><a href="#">Eaton 5P Gen2 Quick Start Guide</a> |

## Additional specifications

|                                |                                                                                                                                                                                                                                      |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CONSTRUCTION TYPE</b>       | 482.6 mm (19 inch) device                                                                                                                                                                                                            |
| <b>ENCLOSURE</b>               | Black/silver                                                                                                                                                                                                                         |
| <b>PACKAGE CONTENTS</b>        | <ul style="list-style-type: none"><li>• Rack-mounting kit</li><li>• Cable locking system</li><li>• USB cable</li><li>• (2) IEC-IEC cables</li><li>• Quickstart guide</li><li>• Safety instructions</li><li>• BS Input cord</li></ul> |
| <b>PHASE (OUTPUT)</b>          | 1                                                                                                                                                                                                                                    |
| <b>AUTO SHUTDOWN FUNCTION</b>  | Yes                                                                                                                                                                                                                                  |
| <b>COLOR</b>                   | Black/silver                                                                                                                                                                                                                         |
| <b>EFFICIENCY AT MAX. LOAD</b> | 97                                                                                                                                                                                                                                   |
| <b>RACK MOUNTING KIT</b>       | Yes                                                                                                                                                                                                                                  |
| <b>PHASE (INPUT)</b>           | 1                                                                                                                                                                                                                                    |

|                 |
|-----------------|
| PROJECT NAME:   |
| PROJECT NUMBER: |
| PREPARED BY:    |
| DATE:           |



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

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