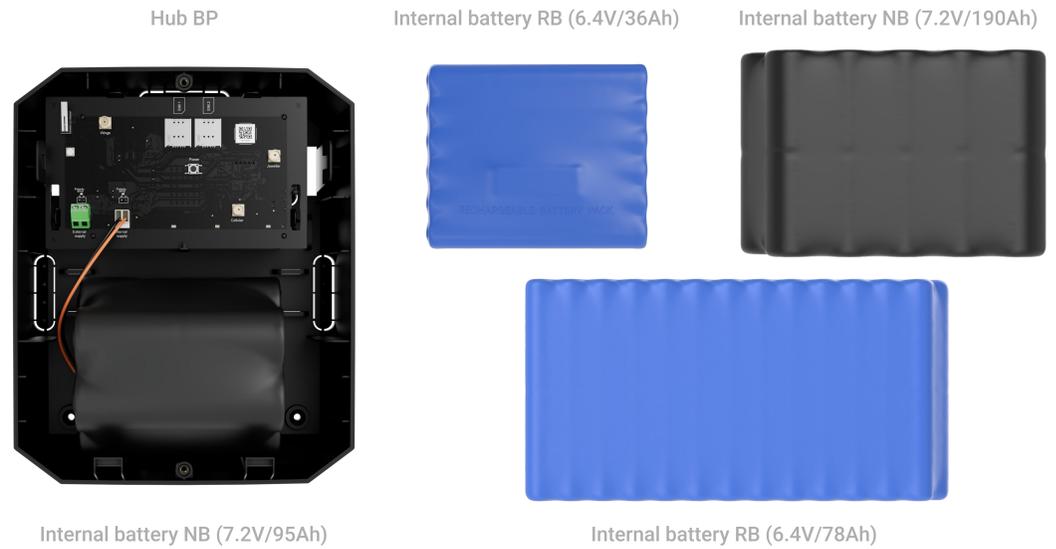


# Batteries

Internal batteries to install into Hub BP Jeweller



## Reliable off-grid power sources

Ajax offers a range of batteries to ensure uninterrupted operation of Hub BP Jeweller at off-grid sites. Four battery versions are available: non-rechargeable ones for months to years of use and rechargeable options for shorter, sustainable operation.

## Battery versions



**Internal battery NB (7.2V/95Ah)**  
Pack of 10 non-rechargeable LTC ER34615 batteries to install into Hub BP Jeweller



**Internal battery RB (6.4V/36Ah)**  
Pack of 36 rechargeable LiFePO4 batteries to install into Hub BP Jeweller



**Internal battery NB (7.2V/190Ah)**  
Pack of 20 non-rechargeable LTC ER34615 batteries to install in a compatible Ajax casing



**Internal battery RB (6.4V/78Ah)**  
Pack of 78 rechargeable LiFePO4 batteries to install in a compatible Ajax casing

Name	Type	Quantity per pack	Voltage	Total capacity	Months <sup>1</sup> of operation in the Battery power saver (BPS) mode <sup>2</sup>	Months <sup>1</sup> of operation in the full-function mode <sup>2</sup>	Installation
Internal battery NB (7.2V/95Ah)	Non-rechargeable battery (LTC ER34615)	10	7.2 V	95 Ah	25	3	Hub BP Jeweller
Internal battery RB (6.4V/36Ah)	Rechargeable battery (LiFePO4 18650)	36	6.4 V	36 Ah	8	1	Hub BP Jeweller
Internal battery NB (7.2V/190Ah)	Non-rechargeable battery (LTC ER34615)	20	7.2 V	190 Ah	50	6	Case D (430), Case E (395)
Internal battery RB (6.4V/78Ah)	Rechargeable battery (LiFePO4 18650)	78	6.4 V	78 Ah	18	2	Case D (430), Case E (395)

## Built for stability and longevity

### Non-rechargeable batteries

- High energy density for reliable long-term operation
- Consistent output voltage across the full charge range (from 100% down to 1%)
- Extremely low self-discharge: ≤1% per year during storage
- Up to 10 years of storage life at room temperature and up to 6 months with no impact on performance even at +30 °C (86 °F)

### Rechargeable batteries

- Short-circuit protection for safe operation
- Overdischarge and overcharge protection
- Integrated balancer for consistent performance and longevity
- LiFePO4 cells for improved safety compared to traditional lithium-ion batteries

## Maintenance-free and easy to handle

- Ready to use straight out of the box
- Easy to install into Hub BP Jeweller or Case D (430)
- Connected via a Molex 2139-2 connector

<p><b>Dimensions and weight</b></p> <p><b>Internal battery NB (7.2V/95Ah)</b></p> <p><b>Dimensions</b> 135 × 65 × 105 mm 5.31" × 2.55" × 4.13"</p> <p><b>Weight</b> 990 g 34.92 oz</p>	<p><b>Internal battery RB (6.4V/36Ah)</b></p> <p><b>Dimensions</b> 133 × 51 × 120 mm 5.23" × 2.01" × 4.72"</p> <p><b>Weight</b> 1,515 g 57.70 oz</p>	<p><b>Internal battery NB (7.2V/190Ah)</b></p> <p><b>Dimensions</b> 185 × 65 × 125 mm 7.28" × 2.55" × 4.92"</p> <p><b>Weight</b> 1,980 g 69.84 oz</p>	<p><b>Internal battery RB (6.4V/78Ah)</b></p> <p><b>Dimensions</b> 254 × 52 × 134 mm 10" × 2.04" × 5.27"</p> <p><b>Weight</b> 3,030 g 106.88 oz</p>
<p><b>Color</b></p> <p>For products Internal battery NB (7.2V/95Ah), Internal battery NB (7.2V/190Ah):</p> <p><b>black</b></p> <p>For products Internal battery RB (6.4V/36Ah), Internal battery RB (6.4V/78Ah):</p> <p><b>blue</b></p> <p><b>Load current</b></p> <p>For products Internal battery NB (7.2V/95Ah), Internal battery NB (7.2V/190Ah):</p> <p><b>Maximum load current</b> 700 mA</p> <p>For products Internal battery RB (6.4V/36Ah), Internal battery RB (6.4V/78Ah):</p> <p><b>Maximum load current</b> 3,000 mA</p>	<p><b>Installation</b></p> <p>For products Internal battery NB (7.2V/95Ah), Internal battery NB (7.2V/190Ah):</p> <p><b>Operating temperature</b> –55 °C to +85 °C –67 °F to 185 °F</p> <p><b>Operating humidity</b> up to 85%</p>	<p>For products Internal battery RB (6.4V/36Ah), Internal battery RB (6.4V/78Ah):</p> <p><b>Operating temperature</b></p> <p><b>Charging</b> 0 °C to +45 °C 32 °F to 113 °F</p> <p><b>Discharging</b> –25 °C to +65 °C –13 °F to 149 °F</p> <p><b>Storage temperature</b> –20 °C to +45 °C –4 °F to 113 °F</p> <p><b>Operating humidity</b> up to 85%</p>	<p><b>Complete set</b></p> <p><b>Internal battery NB (7.2V/95Ah)</b> Internal battery</p> <p><b>Internal battery RB (6.4V/36Ah)</b> Internal battery Charging adapter</p> <p><b>Internal battery NB (7.2V/190Ah)</b> Internal battery</p> <p><b>Internal battery RB (6.4V/78Ah)</b> Internal battery Charging adapter</p>

<sup>1</sup> Applicable for Hub BP Jeweller with hardware version HB2.009.MBR.001v4. For hardware version HB2.011.MBR.001v1, the expected operating time is as follows:

- Internal battery NB (7.2V/95Ah): up to 16 months in the BPS mode and up to 2 months in the full-function mode.
- Internal battery RB (6.4V/36Ah): up to 5 months in the BPS mode and up to 20 days in the full-function mode.
- Internal battery NB (7.2V/190Ah): up to 33 months in the BPS mode and up to 4 months in the full-function mode.
- Internal battery RB (6.4V/78Ah): up to 12 months in the BPS mode and up to 40 days in the full-function mode.

<sup>2</sup> Battery life estimates are based on operation at +25 °C (77 °F) with 10 paired devices in standby mode. Higher alarm activity may reduce battery life.



For detailed information, scan the QR code or follow the link:

[ajax.systems/products/batteries/manuals](https://ajax.systems/products/batteries/manuals)

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