

# Batteries

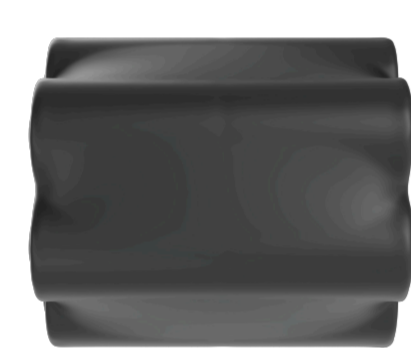
Internal batteries to install into Hub BP Jeweller



## Reliable off-grid solutions

Ajax offers power supply options to ensure the reliable operation of Hub BP Jeweller at off-grid sites. Choose from four types of batteries: non-rechargeable for long-term use (months to years) or rechargeable for shorter, sustainable operation.

## Battery versions



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



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



**Internal battery NB (7.2V/190Ah)**  
Pack of 20 LTC ER34615 non-rechargeable batteries to install into Case D (430)



**Internal battery RB (6.4V/78Ah)**  
Pack of 104 LiFePO4 rechargeable batteries to install into Case D (430)

Name	Type	Quantity in a package	Voltage	Capacity	Months of operation in the Battery power saver mode <sup>1</sup>	Months of operation in full-function mode <sup>1</sup>	Installation
Internal battery NB (7.2V/95Ah)	Non-rechargeable battery LTC ER34615	10	7.2 V	95 Ah	23	3	Hub BP Jeweller casing
Internal battery RB (6.4V/36Ah)	Rechargeable battery LiFePO4 18650	36	6.4 V	36 Ah	8	1	Hub BP Jeweller casing
Internal battery NB (7.2V/190Ah)	Non-rechargeable battery LTC ER34615	20	7.2 V	190 Ah	46	6	Ajax Case D (430)
Internal battery RB (6.4V/78Ah)	Rechargeable battery LiFePO4 18650	104	6.4 V	78 Ah	16	2	Ajax Case D (430)

# Stable operation

## Non-rechargeable batteries:

- High energy density for stable and reliable operation
- Consistent no-load voltage, regardless of charge level (from 100% to as low as 1%)
- Extremely low self-discharge rate ( $\leq 1\%$  per year during storage)
- Storage life of up to 10 years at room temperature (up to 6 months without any impact on operation, even at a temperature of up to  $+30\text{ }^{\circ}\text{C}$  ( $86\text{ }^{\circ}\text{F}$ ))

## Rechargeable batteries:

- Short-circuit protection for safe operation
- Overdischarge and overcharge protection
- Integrated balancer for optimal battery performance
- LiFePO4 batteries are a safer alternative to traditional lithium-ion batteries

# Maintenance-free and safe to handle

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

Casing			
Internal battery NB (7.2V/95Ah)	Internal battery RB (6.4V/36Ah)	Internal battery NB (7.2V/190Ah)	Internal battery RB (6.4V/78Ah)
<b>Dimensions</b> 135 × 65 × 105 mm 5.31" × 2.55" × 4.13"	<b>Dimensions</b> 133 × 51 × 120 mm 5.23" × 2.01" × 4.72"	<b>Dimensions</b> TBA	<b>Dimensions</b> TBA
<b>Weight</b> 1,100 g 38.80 oz	<b>Weight</b> 1,515 g 57.70 oz	<b>Weight</b> TBA	<b>Weight</b> TBA
Color	Load current	Installation	Complete set
black	<b>Maximum load current</b> 700 mA	<b>Operating temperature range</b> from $-10\text{ }^{\circ}\text{C}$ to $+40\text{ }^{\circ}\text{C}$ from $14\text{ }^{\circ}\text{F}$ to $104\text{ }^{\circ}\text{F}$  <b>Operating humidity</b> up to 75%	<b>Internal battery NB (7.2V/95Ah)</b> Internal battery  <b>Internal battery RB (6.4V/36Ah)</b> Internal battery Charging adapter

<sup>1</sup> Battery life estimates are based on operation at  $+25\text{ }^{\circ}\text{C}$  ( $77\text{ }^{\circ}\text{F}$ ) with 10 paired devices in standby mode. Increased alarm activity can 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)

- ✉ support@ajax.systems
- 📍 @AjaxSystemsSupport\_Bot
- 🌐 ajax.systems