

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-LD non-rechargeable batteries to install into Hub BP Jeweller



Internal battery RB (6.4V/27Ah)

Pack of 36 LiFePO4 rechargeable batteries to install into Hub BP Jeweller



Internal battery NB (7.2V/190Ah)

Pack of 20 LTC ER34615-LD 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 (days) of operation in the Battery power saver mode ¹	Installation
Internal battery NB (7.2V/95Ah)	Non-rechargeable battery LTC ER34615-LD	10	7.2 V	95 Ah	17 (510)	Hub BP Jeweller casing
Internal battery RB (6.4V/27Ah)	Rechargeable battery LiFePO4 18650	36	6.4 V	27 Ah	4 (129)	Hub BP Jeweller casing
Internal battery NB (7.2V/190Ah)	Non-rechargeable battery LTC ER34615-LD	20	7.2 V	190 Ah	42 (1,260)	Ajax Case D (430)
Internal battery RB (6.4V/78Ah)	Rechargeable battery LiFePO4 18650	104	6.4 V	78 Ah	15 (460)	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
- Discharge and overcharge protection
- Integrated balancer between the battery cells for optimal battery performance
- LiFePO 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/27Ah)	Internal battery NB (7.2V/190Ah)	Internal battery RB (6.4V/78Ah)
Dimensions 135 × 65 × 105 mm 5.31" × 2.55" × 4.13"	Dimensions TBA	Dimensions TBA	Dimensions TBA
Weight 1,100 g 38.80 oz	Weight TBA	Weight TBA	Weight TBA
Color	Load current	Installation	Complete set
black	Maximum load current 700 mA	Operating temperature range from $-10\text{ }^{\circ}\text{C}$ to $+40\text{ }^{\circ}\text{C}$ from $14\text{ }^{\circ}\text{F}$ to $104\text{ }^{\circ}\text{F}$ Operating humidity up to 75%	Internal battery

¹ 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/support/devices/internal-battery-nb-95ah

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