

40 kWh Commercial Battery System

Model: HJ-Z24-40I Power: 10 - 40KWh

Summary

The HighJoule 40kWh Battery (Model HJ-Z24-40I) features high capacity, strong output, and smart control. It supports grid and solar input, with air or liquid cooling. Compact and floor-mounted, it suits homes and businesses. Customizable from 10-50kWh, it offers reliable storage for global energy needs.



40 kWh Commercial Battery System (HJ-Z24-40I)

Product Features

Large Capacity & High Power

Equipped with 40kWh energy storage and 24kW rated output (up to 48kW), it ensures strong energy backup for both household and commercial applications.

Support for Large Homes

Ideal for 4–6 BHK households with high energy demand, capable of powering multiple air conditioners, appliances, and smart home systems.

Adaptable to Offices

Perfect for small to medium-sized offices (100–200^{sq}ft), supporting computers, lighting, AC systems, and servers to ensure continuous business operations.

Hybrid Energy Input

Supports solar PV, grid power, and energy storage input, allowing flexible energy scheduling and optimal use of solar resources.

Advanced Cooling Options

Offers optional air-cooled or liquid-cooled solutions, enhancing system efficiency and extending lifespan in various environments.

Customizable Solutions

Provides customizable storage capacity from 10kWh to 50kWh, supporting unique power needs for homes, businesses, or industrial sites.

Global After-Sales Support

HighJoule provides localized services and support in the U.S., U.K., Africa, and Europe, ensuring reliable assistance anytime, anywhere.

Technical Parameters

Product Parameters

Model	HJ-Z06-10I	HJ-Z12-20I	HJ-Z18-30I	HJ-Z24-40I
Power	6KW (maximum 9KW)	12KW (maximum 24KW)	18KW (maximum 36KW)	24KW (maximum 48KW)
Maximum Energy Storage Capacity	10KWh	20KWh	30KWh	40KWh
Energy Input/Output	Mains/Photovoltaic/Energy Storage			
Usage Environment	Indoor			
Installation Method	Floor-mounted			
Specification Dimensions	1200mm*700 mm*700mm	1600mm*700 mm*700mm	2000mm*750 mm*750mm	2000mm*1550 mm*800mm

Application

Ideal for 4–6 BHK homes, 100–200□ offices, base stations, and field sites. Powers ACs, appliances, and office devices. Supports solar hybrid use, lowers costs, and ensures backup. Works globally in the U.S., U.K., Africa, and Europe—perfect for stable, clean power in any setting.

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