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DATASHEET · HIGH-VOLTAGE SOLAR BATTERY · FRONIUS RESERVA

Fronius Reserva 6.3 kWh Battery

EcoSolaris code: ECO-FRSV6.3 · Fronius article no.: 4,240,371 + 2x 4,240,370 · Manufacturer: Fronius International GmbH, Austria



The Fronius Reserva 6.3 battery is a high-voltage solar battery with 6.31 kWh of usable capacity, built from two LFP modules plus the management unit. It connects directly to the DC side of Fronius hybrid inverters and covers the evening consumption of a home or a small office.

Genuine Fronius product | Manufacturer warranty | Delivery across the UAE

EcoSolaris technical support

Technical specifications

Usable capacity	6.31 kWh
Number of 3.15 kWh modules	2
Composition	1 x BMS unit + base (4,240,371) and 2 x 3.15 kWh battery module (4,240,370)
Nominal voltage	204.8 V
Voltage range	185.6 – 227.2 V
Dimensions (H x W x D)	860 x 780 x 176 mm
Total weight	86.5 kg
Cell chemistry	Lithium iron phosphate (LFP)
Depth of discharge	94.5%
Maximum output current	32 A (limited by the inverter)
Parallel operation	up to 4 batteries (max. 63.2 kWh)
Compatible inverters	Fronius hybrid inverters (exception: Symo Hybrid)
Protection rating	IP65
Ambient temperature	-20 °C ... +55 °C
Permitted humidity	5 – 95%
Maximum altitude	2,000 m
Mounting	indoors and protected outdoor spaces
DC connectors	4x Amphenol
Interface	RS485
Certifications	IEC 62619:2022, CE, VDE 2510-50, IEC 62477, IEC 62040
Warranty	10 years (80% usable capacity)

Key features

- **Direct DC coupling** — energy from the panels enters the battery without AC conversion, so conversion losses are minimal.
- **LFP cells, safe chemistry** — lithium iron phosphate withstands thousands of cycles and does not carry the thermal risk of cobalt chemistries.
- **Depth of discharge 94.5%** — you use almost all the stored energy, not just part of it.
- **Expandable at any time** — add 3.15 kWh modules up to 15.8 kWh per tower, without changing the management unit.
- **10-year warranty** — with at least 80% usable capacity remaining at the end of the period.
- **Data stored in Europe** — monitoring is done through Fronius Solar.web, with European data protection standards.

Recommended applications

Self-consumption | Energy storage | Backup power | Residential | Commercial

Important: improper installation may damage the product, the electrical installation and the surroundings. Mounting, connection and commissioning must be carried out only by qualified, licensed personnel, in accordance with the manufacturer's installation manual and the requirements of the local grid operator. Unauthorised work voids the warranty.