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DATASHEET · HIGH-VOLTAGE SOLAR BATTERY · FRONIUS RESERVA

Fronius Reserva 9.5 kWh Battery

EcoSolaris code: ECO-FRSV9.5 · Fronius article no.: 4,240,371 + 3x 4,240,370 · Manufacturer: Fronius International GmbH, Austria



The Fronius Reserva 9.5 battery stores 9.47 kWh usable in three lithium iron phosphate cell modules. It is the size most often chosen by households with a heat pump or an electric vehicle, because it covers evening and night consumption without buying energy at peak tariff.

Genuine Fronius product | Manufacturer warranty | Delivery across the UAE

EcoSolaris technical support

Technical specifications

Usable capacity	9.47 kWh
Number of 3.15 kWh modules	3
Composition	1 x BMS unit + base (4,240,371) and 3 x 3.15 kWh battery module (4,240,370)
Nominal voltage	307.2 V
Voltage range	278.4 – 340.8 V
Dimensions (H x W x D)	1,100 x 780 x 176 mm
Total weight	120 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

- **9.47 kWh usable from three modules** — covers the evening and night of a home with an average consumption of 12–15 kWh per day.
- **Maximum current 32 A** — discharge power sufficient for a heat pump and simultaneous loads.
- **Indoor or protected outdoor mounting** — IP65 protection rating and an operating range of -20 °C … +55 °C.
- **Amphenol quick connection** — four DC connectors, clean installation, no improvised cabling.
- **Works in tandem with Full Backup** — together with a Fronius hybrid inverter it supports three-phase loads during a power outage.
- **Time-of-use tariff arbitrage** — Fronius Energy Cost Assistant charges the battery at a low tariff and discharges it at peak prices.

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.