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DATASHEET · HIGH-VOLTAGE SOLAR BATTERY · FRONIUS RESERVA

Fronius Reserva 15.8 kWh Battery

EcoSolaris code: ECO-FRSV15.8 · Fronius article no.: 4,240,371 + 5x 4,240,370 · Manufacturer: Fronius International GmbH, Austria



The Fronius Reserva 15.8 battery is the largest single-tower configuration: 15.79 kWh usable from five lithium iron phosphate modules. It supports the consumption of an entire building overnight and can be expanded up to 63.2 kWh by connecting four towers in parallel.

Genuine Fronius product | Manufacturer warranty | Delivery across the UAE

EcoSolaris technical support

Technical specifications

Usable capacity	15.79 kWh
Number of 3.15 kWh modules	5
Composition	1 x BMS unit + base (4,240,371) and 5 x 3.15 kWh battery module (4,240,370)
Nominal voltage	512 V
Voltage range	464 – 568 V
Dimensions (H x W x D)	1,610 x 780 x 176 mm
Total weight	187 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

- **15.79 kWh usable in a single tower** — the largest capacity in a single Fronius Reserva unit.
- **Expansion up to 63.2 kWh** — connect up to four towers in parallel, monitored as a single system.
- **Depth of discharge 94.5%** — almost all the stored energy is usable.
- **Range 464 – 568 V** — it matches directly the battery input of Fronius GEN24 Plus and Verto Plus inverters.
- **10-year warranty** — with 80% remaining capacity guaranteed at the end.
- **High system efficiency** — the DC-coupled architecture eliminates one conversion stage compared with AC-coupled batteries.

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.