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DATASHEET · HIGH-VOLTAGE SOLAR BATTERY · FRONIUS RESERVA

Fronius Reserva 12.6 kWh Battery

EcoSolaris code: ECO-FRSV12.6 · Fronius article no.: 4,240,371 + 4x 4,240,370 · Manufacturer: Fronius International GmbH, Austria



The Fronius Reserva 12.6 battery delivers 12.63 kWh of usable capacity from four LFP modules. Choose it for large homes, guesthouses or company premises with evening and out-of-hours consumption, where you also want to cover electric vehicle charging from your own energy.

Genuine Fronius product | Manufacturer warranty | Delivery across the UAE

EcoSolaris technical support

Technical specifications

Usable capacity	12.63 kWh
Number of 3.15 kWh modules	4
Composition	1 x BMS unit + base (4,240,371) and 4 x 3.15 kWh battery module (4,240,370)
Nominal voltage	409.6 V
Voltage range	371.2 – 454.4 V
Dimensions (H x W x D)	1,360 x 780 x 176 mm
Total weight	153.5 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

- **12.63 kWh usable capacity** — also covers evening electric vehicle charging, from energy produced during the day.
- **Four modules in the same tower** — the same 780 x 176 mm footprint, only the height increases.
- **Nominal voltage 409.6 V** — the high voltage reduces current and cable losses.
- **Full certifications** — IEC 62619:2022, VDE 2510-50, IEC 62477, IEC 62040, CE marking.
- **Maintenance-free** — it has no fans and requires no periodic electrolyte checks.
- **Fast local service** — the EcoSolaris team provides commissioning and warranty service.

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.