

The Fronius storage solution

Reserva



Technical details

| | | | Reserva 6.3 | Reserva 9.5 | Reserva 12.6 | Reserva 15.8 |
|-----------------------|---|-----|---------------|---------------|---------------|--------------|
| Electrical parameters | Usable Energy | kWh | 6.31 | 9.47 | 12.63 | 15.79 |
| | Maximum charge/discharge power ¹ | kW | 6.55 | 9.83 | 13.10 | 16.38 |
| | Nominal Energy | kWh | 6.68 | 10.03 | 13.37 | 16.71 |
| | Short Circuit Current | A | 1,700 | 1,900 | 2,100 | 2,241 |
| | Number of battery modules | | 2 | 3 | 4 | 5 |
| | Rated voltage | V | 204.8 | 307.2 | 409.6 | 512 |
| | Voltage range | V | 185.6 ~ 227.2 | 278.4 ~ 340.8 | 371.2 ~ 454.4 | 464 ~ 568 |
| | Maximum output current ² | A | 32 | | | |
| | Depth of Discharge | % | 94.5 | | | |

| | | | | | | |
|------------------------|--|-------|--|-------------------|-------------------|-------------------|
| General data | Battery cell chemistry | | Lithium iron phosphate (LFP) / Pouch cells | | | |
| | Parallel operation ³ | | Up to 4 batteries | | | |
| | Dimensions (height x width x depth) | mm | 890 x 772 x 176 | 1,140 x 772 x 176 | 1,390 x 772 x 176 | 1,640 x 772 x 176 |
| | Total weight | kg | 86.5 | 120 | 153.5 | 187 |
| | Compatible inverters | | Symo GEN24 Plus & Primo GEN24 Plus | | | |
| | Battery efficiency ⁴ | % | 95 | | | |
| | Protection class | | IP65 | | | |
| | Max. altitude above sea level | m | 2,000 | | | |
| | Ambient temperature range ⁵ | °C | -20 to +55 | | | |
| | Permissible humidity | % | 5 to 95 | | | |
| | Installation | | Indoor and protected outdoor areas | | | |
| | DC connection technology | | DC-connectors Stäubli MC4 Evo Stor | | | |
| | Certificates and compliance with standards | | IEC62619:2022 (includes thermal runaway test under 7.3.3); CE; VDE 2510-50; IEC62477-1; UN38.3 | | | |
| | Interfaces | | RS485 | | | |
| | Warranty | | 10 years (70% SOH) | | | |
| Country of manufacture | | China | | | | |

¹ The maximum charge/discharge power may vary depending on temperature, battery state of charge (SOC), and the connected inverter.

² The charging and discharging current can be limited by the inverter.

³ Regardless of the number of Fronius Reserva battery towers connected in parallel, the maximum output current is limited to 32 A.
Example: Even with 4x15.8 kWh, the maximum DC charging/discharging power of the Fronius Verto Plus 30 remains approx. 16.38 kW.

⁴ At a charge/discharge rate of 0.2C at 25 °C.

⁵ Depending on the temperature, the charging/discharging capacity can be limited.

⁶ At a charge/discharge rate of 0.5C.

| | | | BMS | Base | Module |
|--------------------|-------------------------------------|-----|-----------------|----------------|-----------------|
| Reserva Components | Usable capacity | kWh | - | - | 3.15 |
| | Rated voltage | V | - | - | 102.4 |
| | Dimensions (height x width x depth) | mm | 330 x 772 x 176 | 60 x 772 x 176 | 250 x 772 x 176 |
| | Dimensions (with packaging) | mm | 790 x 554 x 315 | | 790 x 372 x 264 |
| | Weight | kg | 16 | 3.5 | 33.5 |
| | Weight (with packaging) | kg | 25 | | 36.5 |

Further technical information and charge/discharge power can be found in the solution sheet:



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The Fronius Reserva is an efficient DC-coupled high-voltage battery for storing solar energy with minimal losses. It can be flexibly expanded with two to five modules and is perfectly matched to Fronius hybrid inverters - for maximum performance. European data security and fast service ensure maximum reliability.



The heart of your PV system

With the Fronius GEN24 Plus, you can enjoy 24 hours of sun at home. The hybrid inverter allows you to connect a battery storage system, making you even more independent.



Backup power for every eventuality

With the Fronius Backup Controller, you can switch to full backup power operation automatically. The cost-effective switching component can be installed in the control cabinet to save space and eliminate the need for additional hardware such as switch boxes.



Everything under control

With our Fronius Solar.web monitoring tool, you can keep an eye on your PV system any time, anywhere, keeping your energy transition on track, simply by using it in our app or on the web.

More information about the Fronius Reserva: www.fronius.com.au/reserva

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