The Fronius storage solution

Reserva Pro



Technical data
Fronius Reserva Pro 12.0 - 20.0

			Reserva Pro 12.0	Reserva Pro 16.0	Reserva Pro 20.0
Electrical parameters	Usable energy	kWh	11.9	15.9	19.9
	Number of battery modules		3	4	5
	Nominal voltage	V	212.52	283.36	354.2
	Operating voltage range	V	165 ~ 240.9	220 ~ 321.2	275 ~ 401.5
	Maximum charge/discharge current [1]	A	50		

General data	Battery cell chemistry		Lithium iron phosphate (LFP)		
	Parallel operation		Up to 4 batteries		
	Dimensions (Height x Width x Depth)	mm	775 × 579 × 449	935 × 579 × 449	1,095 × 579 × 449
	Total weight (system)	kg	126	162	198
	Protection class		IP65		
	Safety class		II		
	Max. altitude above sea level	m	2,000		
	Ambient temperature range [2]	°C	-20 to +50		
	Permissible humidity	%	5-95		
	Compatible inverters		Primo GEN24 Plus (SC) Symo GEN24 Plus (SC) Verto Plus		
	Installation		Indoor and protected outdoor areas		
	DC connection technology		Stäubli MC4 Evo Stor		
	Certificates and compliance with standards		VDE2510-50 / IEC62619 / IEC62040-1 / CE / RCM / UN38.3		
	Interfaces		Modbus (RS485)		
	Warranty		10 years (80% SOH)		

[1] *The charging and discharging current is limited by the inverter.*
[2] *Depending on the temperature, the charging/discharging power as well as available capacity can be limited.*

Technical data
Fronius Reserva Pro 24.0 - 32.0

			Reserva Pro 24.0	Reserva Pro 28.0	Reserva Pro 32.0
Electrical parameters	Usable energy	kWh	23.9	27.9	31.9
	Number of battery modules		6	7	8
	Nominal voltage	V	425.04	495.88	566.72
	Operating voltage range	V	330 ~ 481.8	385 ~ 562.1	440 ~ 642.4
	Maximum charge/discharge current [1]	A	50		

General data	Battery cell chemistry		Lithium iron phosphate (LFP)		
	Parallel operation		Up to 4 batteries		
	Dimensions (Height x Width x Depth)	mm	1,255 × 579 × 449	1,415 × 579 × 449	1,575 × 579 × 449
	Total weight (system)	kg	234	270	306
	Protection class		IP65		
	Safety class		II		
	Max. altitude above sea level	m	2,000		
	Ambient temperature range [2]	°C	-20 to +50		
	Permissible humidity	%	5 - 95		
	Compatible inverters		Symo GEN24 Plus (SC) Verto Plus		
	Installation		Indoor and protected outdoor areas		
	DC connection technology		Stäubli MC4 Evo Stor		
	Certificates and compliance with standards		VDE2510-50 / IEC 62619:2022 / IEC62040-1 / CE / RCM / UN38.3		
	Interfaces		Modbus (RS485)		
	Warranty		10 years (80% SOH)		

[1] *The charging and discharging current is limited by the inverter.*

[2] *Depending on the temperature, the charging/discharging power as well as available capacity can be limited.*

Technical data

Fronius Reserva Pro

			Reserva Pro BMS
Battery Management System	Dimensions (Height x Width x Depth)	mm	225 × 570 × 440
	Weight	kg	10
	Communication port between BMS and inverter		Modbus (RS485)
	Communication port between BMS and module		ISO-SPI

			Reserva Pro Module
Module	Usable capacity	kWh	3.98
	Nominal voltage	V	70.84
	Module operating voltage range	V	55 ~ 80.3
	Dimensions (Height x Width x Depth)	mm	160 × 570 × 440
	Weight	kg	36

			Reserva Pro Base
Base	Dimensions (Height x Width x Depth)	mm	70 × 579 × 449
	Weight	kg	8

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