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 output 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		Fronius Primo GEN24 Plus, Symo GEN24 Plus & 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 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 output 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		Fronius Primo GEN24 Plus, Symo GEN24 Plus & 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 capacity can be limited.*

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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		CAN / 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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