



# VOLTHOME®



Where the  
power of  
energy finds a  
safe home.



We offer a home storage system “Made in Austria”, which sets new standards in terms of energy density, flexibility and safety. Our battery system can absorb more energy and is also more compact in design.

## TECHNICAL DATA



Battery module <sup>1</sup>	VOLTHOME®#01 (4.14 kWh; 76.8 V; 36 kg)				
Number of battery modules	3	4	5	6	
Energy content (useable) <sup>1</sup>	[kWh]	12.4	16.6	20.7	24.9
Charge / Discharge current (continuous) <sup>2</sup>	[A]	30 / 30			
Charge / Discharge current (peak) <sup>2</sup>	[A]	30 / 60 for 50 min			
Voltage (nominal)	[V]	230.4	307.2	384.0	460.8
Voltage range	[V]	219.6 ~ 245.2	292.8 ~ 326.9	366.0 ~ 408.6	439.2 ~ 490.3
Nominal power	[kW]	6.9	9.2	11.5	13.8
Dimensions (w x d x h)	[mm]	682 x 290 x 696	682 x 290 x 862	682 x 290 x 1028	682 x 290 x 1194
Weight	[kg]	128	164	200	236
Battery efficiency <sup>1</sup>		≥ 94%	≥ 94%	≥ 94%	≥ 94%
Cell type	Lithium iron phosphate (cobalt-free)				
Ambient temperature	[°C]	Charge: 0°C to +50°C / Discharge: -20°C bis +50°C			
Air humidity	[%]	0 - 95			
Maximum altitude	[m]	2000			
Communication interfaces	CAN and RS485				
External connector interfaces	2x BAT+ / 2x BAT- / 2x BATCOM / 2x Potential equalization				
Maintenance and monitoring interface	1x RJ45 (Ethernet) / 1x USB-C				
Configuration interface	Dip switch for CAN terminating resistor				
Protection class (IP)	IP55				
Standard and certifications	Security	IEC62619, IEC63056			
	EMV	IEC61000			
	Transport	UN38.3			
	VDE	VDE2510			
	CE	YES			
Application	NON Grid / ON Grid + Backup / OFF Grid				
Balancing	Passive & active balancing				
Status display	Optional				
Mechanical fixing interface	Tilt protection provided and interface available				

<sup>1</sup> 90% DOD, 0.2C charge and discharge at +25°C±2°C at the begin of life

<sup>2</sup> The charging / discharging current and the power depend on the temperature and SOC, and are limited if necessary.

The terms and conditions of Miba Battery Systems warranty (Miba Battery Systems VOLTHOME® warranty letter). Please refer to the operating instructions for all other information.