

# POWER4HOME

## Electrical Energy Storage System



E-Mobility



Drive System



Energy Storage Systems



Power- and Garden Tools



Industrial



Medical

# TECHNICAL DETAILS

## Robust & save

- Lithium Iron Phosphate Cell Chemistry
- 2 channel safety architecture
- Overcurrent, overvoltage, overtemperature, short circuit and revers polarity protection

## Highly flexible

- Single Installation from 6.7 up to 26.7 kWh usable
- Expandable
- Multiply installations up to 106.8 kWh (up to 4 systems in parallel)
- Wall mounted and floor option
- Indoor and outdoor rated

## Easy to install

- Each part less than 30 kg
- Manageable by one person
- Battery system setup within 15 minutes

## Low noise

- Passive Cooling

## Installation variants

### Base (2 modules):

Dimensions (W x H x D): 780 x 577 x 164 mm



### With stand (2, 3, 4 & 5 modules):

Dimensions (W x H x D): 780 x 635 x 315 mm



## Further installation variants

### Tower small (3, 4 & 5 modules):

Dimensions (W x H x D): 780 x 1.154 x 164 mm



### Side-by-Side (3, 4 & 5 modules):

Dimensions (W x H x D): 1.560 x 577 x 164 mm



### Tower big (6, 7 & 8 modules):

Dimensions (W x H x D): 780 x 1.731 x 164 mm



### Square (6, 7 & 8 modules):

Dimensions (W x H x D): 1.560 x 1.154 x 164 mm



## OPTION

Active thermal management optimizes operation at extreme temperatures and allows charge and discharge operation from -20 to +55°C environmental temperature.

Technical Properties	Modules						
	2	3	4	5	6	7	8
Energy (nom./usable)	7.4 kWh 6.7 kWh	11.1 kWh 10.0 kWh	14.7 kWh 13.3 kWh	18.4 kWh 16.7 kWh	22.1 kWh 20.0 kWh	25.8 kWh 23.3 kWh	29.5 kWh 26.7 kWh
Nominal voltage	102 V	154 V	205 V	256 V	307 V	358 V	410 V
End-of-charge voltage	115 V	173 V	230 V	288 V	346 V	403 V	461 V
Final discharge voltage	96 V	144 V	192 V	240 V	288 V	336 V	384 V
Capacity (usable)	65 Ah						
Charging current (max.)	30 A						
Discharge current peak (3s)	45 A						
Discharge current (nom.)	30 A						
Discharge power peak	5.2 kW	7.8 kW	9.2 kW	11.5 kW	15.6 kW	18.1 kW	20.7 kW
Discharge power (max.)	3.1 kW	4.6 kW	6.1 kW	7.7 kW	9.2 kW	10.8 kW	12.3 kW
Weight	87 kg	142 kg	170 kg	199 kg	254 kg	283 kg	311 kg
Operating temperature discharge	-20 to 50 °C						
Operating temperature charge	0 to 50 °C						
Storage temperature	-20 to 60 °C						
Enclosure protection rating	NEMA3R / IP55						
Communication interfaces	CAN / RS-485 / Ethernet						
Battery chemistry	Lithium Iron Phosphate (cobalt-free)						
Discharge depth	90 % DOD (in relation to nom. capacity)						
Full cycles	6,000 (for residual capacity of 80 %)						
Certifications	UL1973 / IEC62619 / VDE-AR-E2510-50 / CE / UN38.3						
Applications	On Grid / On Grid + Backup / Off Grid						
Warranty	10 Years – extendable to 15 Years						

Module Type	FeMod
Configuration	16S1P
Dimensions (W x H x D)	713 x 162 x 123 mm
Weight	28 kg

# Any questions?

Contact us, we will be pleased to advise you.

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