

# VARTA one

130 Years Battery Experience in Your Energy Storage System.



- ▶ **Downtown residence: From the star architect.**
- ▶ **Painting over the fireplace: From Basel.**
- ▶ **Energy storage system: From VARTA Storage.**

# THOSE WHO THINK AND GROW.



## VKB-NUMBER

VARTA one L battery storage system	02705 852 201
VARTA one XL battery storage system	02703 852 201
Battery module	56650 748 099

## ► Technical data and facts

SYSTEM DATA	ONE L	ONE XL
Nominal battery capacity	2.8 - 6.9 kWh (modular expansion)	3.7 - 13.8 kWh (modular expansion)
Battery inverter (depending on the number of battery modules)	2.4 kW	4.0 kW
Dimensions (w x h x d) in mm	600 x 1,320 x 400	600 x 1,850 x 400
Weight	90 kg	110 kg

## GENERAL DATA

Depth of discharge	90 %
Energy management system	EMS VS-Pro
Protection class	IP33
Mains connection	400 V AC, 3-phase
Mains configurations	TN-systems, TT-systems
System warranty *	7 years maintenance warranty
Scalable	Up to five VARTA one L or VARTA one XL

## BATTERY MODULE

Electrochemistry of cell	Lithium iron phosphate
Nominal module capacity	461 Wh (415 Wh usable capacity)
Module output	162 W
Connection	Touch - safe
Cell monitoring	fully integrated
Dimensions (W x H x D) in mm	165 x 130 x 320
Weight	6 kg
Charge / discharge time	~3 h, to max. charge state
Warranty on batteries *	10 years **

## FUNCTION

Emergency power capability	3-phase
Energy management	integrated, fully automated
Output recording	3-phase via current sensor
Readout functions / service	Ethernet
Visualization	Internet web portal and internal web server

## STANDARDS

EMC Directive 2014/30/EU, Low Voltage Directive (LVD) 2014/35/EU, DIN EN 62109-1 : 2011 Safety of power converters for use in photovoltaic power systems, Security Guide

\* According to terms of manufacturer's warranties (available at: [www.varta-storage.de/downloads](http://www.varta-storage.de/downloads)).

\*\* Residual capacity: 80%.