

Syntero Series

Low voltage residential

Autarco LVR Syntero Series was designed to meet the needs of most demanding users. This low voltage battery supports up to 1C discharge and can be paralleled up to 50 devices (256 kWh) The LVR Syntero Series can be installed both by wall mount and by floor stacking, giving the user the opportunity to utilize the available space optimally.

- + Flexible installation
- + Up to 50 devices connected in parallel (256 kWh)
- + Up to 1C discharge rate
- + Compatible with MH, MH-MII and MR Series
- + 6000 cycles*



Dimensions (b x h x d)	558 x 545 x 150 mm
Net Weight	54kg
Battery type	LFP (LiFePO ₄)
IP-protection class	IP20
Warranty	10 years**
Communication	CAN/RS485/RS232
Cycle life	6000 cycles / 80% EOL (25 °C, 100% DOD, 0,5P)
Standards	UN38.3/CE-EMC/IEC62619/CEI-021
Charge temperature range	0 °C to + 55 °C (with heating module -20 °Cto +55 °C)
Discharge temperature range	-20 °C to +55 °C

Battery technical specifications

Model	LVR Syntero Series
Capacity	5.12 kWh
Depth of discharge (DoD)	90%
Nominal cell capacity	100 Ah
Nominal Voltage	51.2V
Operating Voltage	44.8~57.6V
Maximum discharge rate	1C
Maximum continuous charge current	75A
Maximum continuous discharge current	100A
Peak discharge current	(15s) 110A

*Measured at 25C, 100% DOD with 1h between the cycles.

** Please refer to the warranty document for detailed scope of the 10 years warranty.

