LVM 8 · LOW VOLTAGE MODULE · PRELIMINARY

LVM 8

Modular LFP Battery Storage · 16 – 480 kWh scalable

A modular low-voltage battery system built for safety, longevity and simple installation. Compatible with leading hybrid inverters and scalable from a single 16 kWh tower to 480 kWh in parallel.

Product Highlights

- Scalable from 16 kWh to 480 kWh
- Compatible with Victron, Solis, Deye and Hoymiles inverters
- LFP battery chemistry — maximum safety and long life (8000 cycles @ 25 °C)
- Modular design simplifies transport and installation
- Steel housing, no additional wiring required

Configurations

Modules are installed in pairs. Up to 6 modules stack on top of each other to form a tower, and up to 10 towers can be connected in parallel for a maximum system size of 480 kWh.

	16 kWh	32 kWh	48 kWh
Number of Modules	2	4	6
Usable Energy	16 kWh	32 kWh	48 kWh
Max Cont. Current *	80 A	160 A	180 A
Dimensions H × W × D	608 × 800 × 260 mm	1108 × 800 × 260 mm	1608 × 800 × 260 mm
Weight	124.8 kg	239.6 kg	364.4 kg

Tower 2× — 16 kWh · Tower 4× — 32 kWh · Tower 6× — 48 kWh

**Maximum current may be thermally throttled to protect cell life. Under heavy or continuous use, power output may be temporarily reduced.*

Figure 1: LVM 8 MODULE – 8 kWh

Figure 2: 6 × LVM 8 MODULE – 48 kWh

Technical Parameters

All values are valid for all tower configurations unless stated otherwise.

Battery Module	LVM 8 (8 kWh, 51.2 V, 58.4 kg)
Battery Cell Technology	LiFePO4
Nominal Voltage	51.2 V
Operating Voltage	44 – 57.6 V
Operating Temperature	-10 °C to +40 °C
Round-Trip Efficiency	≥ 95 %
Life Cycles	8000 cycles @ 25 °C
Inverter Communication	CAN
Parallel Communication	RS485
Smart Home Integration	Ethernet
Enclosure Protection	IP 20
Certification	VDE2510-50 / CE / UN38.3
Warranty	8 Years
Compatible Inverters	Solis Hybrid, Deye Hybrid, Victron, Hoymiles

SAFETY & SIMPLICITY

LFP chemistry, steel enclosure, easy setup with no additional wiring — the LVM 8 is designed for maximum safety, long service life and a clean installation.

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