

# GEN2™ 48200-7/P48310-7

BatteryBlock Gen2, the next generation of lithium batteries for home systems energy storage. This battery block is compact, easy to install, maintenance-free and used as a energy storage system in our Gen2 solar systems.



## Basic information

Model designation	GEN2 P48200-7	GEN2 P48310-7
Battery type	LiFePO4 (LFP)	LiFePO4 (LFP)
Battery capacity	200 Ah (10 kWh)	300 Ah (15 kWh)
Rated voltage	48V	48 V
Number of cells	15	15
Minimum design life	20 years (at 25 °C)	20 years (at 25 °C)
Dimensions	580 x 750 x 245 mm	800 x 620 x 340 mm
Weight	101 kg	150 kg

## Electrical characteristics

Lifetime in cycles	7000 cycles at 25 °C	7000 cycles at 25 °C
Discharge voltage	37,5 – 54,7 V	37,5 – 54,7 V
Voltage on recharge	52,5 – 54,7 V	52,5 – 54,7 V
Discharge/recharge current	50 A (recommended), 100 A (max)	62 A (recommended), 100 A (max)
Internal resistance	< 40 mΩ	< 40 mΩ

## Battery control system

Self-consumption	< 2 W in operation, < 0.2 W in sleep mode
Monitoring parameters	System voltage, current, cell voltage, cell temperature, module temperature
Charge status management system	GEN2 SOC Firmware v5
Communication ports	CAN/RS-485/RS-232

## Operational parameters

Operating temperature	from - 10 °C to 50 °C
Transport and storage temperature	from - 20 °C to 45 °C
Ambient humidity range	15 % to 85 % (non-condensing)

## Warranty

Warranty	12 years
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