



Air-cooled Hybrid Cabinet

Micro 30 / 40 / 50 — 100 & 120 kWh

The Micro series is a professional PV-plus-storage solution in one cabinet: LFP battery, hybrid inverter, HVAC, fire suppression system, and EMS. Compact design enables easy installation and expansion. Paired with a hybrid inverter, it supports multiple operating modes and strategies.

Key parameters

100,48 / 120,58 kWh

System configuration

30–50 kW

Rated AC output power

0,5P

Max. charge / discharge

90%

Round-trip efficiency

IP55

Protection

≥ 8 000

Cycle life

Product features

Economical: RTE up to 90%, DoD up to 100%.

Safe: IP55, optimized ventilation, $\Delta T < 6^{\circ}\text{C}$.

Compact: $\sim 0.96 \text{ m}^2$ footprint, easy transport and installation.

Modular: parallel connection, system expansion.

Technical specification

Battery / Cabinet	Micro 30/40/50 — 100	Micro 30/40/50 — 120
Cell type	LFP / 314 Ah	
Pack	20,096 kWh / 1P20S	120,576 kWh / 1P120S

[Przejdź do treści głównej \(#main-content\)](#)

Battery / Cabinet	Micro 30/40/50 — 100	Micro 30/40/50 — 120
Rated DC voltage	320 V	384 V
DC voltage range	280–360 V	336–432 V
Max. charge/discharge	0,5 P	
Max. depth of discharge	100% (25 ± 2°C)	
Cycle life	≥ 8 000 cycles	

PV input	Micro 30/100	Micro 40/100	Micro 50/100	Micro 30/120	Micro 40/120	Micro 50/120
Max. PV input power	60 kW	80 kW	100 kW	60 kW	80 kW	100 kW
PV voltage range	150–850 V					
MPPT	3	4	4	3	4	4
Max. input current	40 A×3	40 A×4	40 A×4	40 A×3	40 A×4	40 A×4

AC side	Common for Micro series
Rated AC output power	30 kW / 40 kW / 50 kW
Rated AC voltage	400 V
AC voltage range	±15%
Grid type	3W+N+PE
Frequency	50 Hz / 60 Hz
Power factor	0,99 / -1...+1
THDi	≤ 3%

General	Value
Communication	Modbus TCP/IP
Fire suppression	Aerosol
Cooling	Air cooling
Operating temperature	-25°C to 55°C (derating above 45°C)
Anticorrosion rating	C4 (C5 optional)
Humidity	0–95% RH (non-condensing)
Altitude	3000 m (derating above 2000 m)
Dimensions (W×D×H)	800 × 1 200 × 2 030 mm
Weight	1 000 kg
Safety / EMC	UN38.3, IEC62619, IEC63056, IEC62477-1, IEC61000-6-2/4

