YOUR
SMART
ENERGY

SMILE-B3

RESIDENTIAL SERIES

POWER

3 kW inverter

CAPACITY

2.9 kWh Battery modular
Expandable to 17.2 kWh



+

AC-Coupling

Built-in battery

Modular design

Easy installation and low maintenance

24/7 Monitoring

SMILE-B3

Model	SMILE-B3
System Specification	
Max. AC Output Power	3000 W
Max. AC Input Power	3000 W
IP Protection	IP65 (Outdoor) / IP21 (Indoor)
Dimension (W x D x H)	610 x 219 x 650 mm
Weight	50 kg
Operating Temperature Range	-10 °C ~ 50 °C*
Warranty	5 Year Product Warranty, 10 Year Battery Warranty
Inverter Technical Specification	
Max. AC Input Current	13 A
Nominal AC Input Voltage	230 V
Battery Voltage Range	40 ~ 58 V
Max. Charging/Discharging Current	60 A
Max. Charging/Discharging Power	3000 W
Phase	Single-Phase
Nominal AC Output Voltage	230 V
Grid Voltage Range	180 ~ 270 V
Rated Frequency	50 / 60 Hz
Backup	UPS
Grid Regulation	AS 4777.2, VDE-AR-N 4105, G98-1, G100, RD 1699, TOR Erzeuger Typ A, CEI 0-21, EN50549
Safety	IEC 62040-1, IEC 62477-1
Battery Technical Specification	
Module Capacity	2.9 kWh
Usable Capacity	2.8 kWh
Depth of Discharge (DoD)	96%
Module Nominal Voltage	51.2 V
Cycle Life	10 000 **
Max. Charging/Discharging Current	56 A
External Battery Expansion	1 ~ 5 M4856-P in parallel
Certification	UN38.3, IEC 62619 (Cell), IEC 62619 (Pack)

* When the temperature is below 0 °C or above 40 °C, the performance will be limited.

** Under specific test conditions

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