

YOUR  
SMART  
ENERGY



# STORION-SMILE-B3



## RESIDENTIAL SERIES **CAPACITY**

2.7 kWh modular expandable to 16.1 kWh



**AC-Coupling**

**Built-in battery**

**Modular design**

**Easy installation and  
low maintenance**

**24/7 Monitoring**

# STORION-SMILE-B3



<b>Model</b>	<b>STORION-SMILE-B3</b>
<b>System Specification</b>	
Max. AC Input/Output Power	3000 W
IP Protection	IP65
Dimension (W x D x H)	610 x 236 x 650 mm
Weight	45 kg
Operating Temperature Range	-10 °C ~ 50 °C*
Max. operation altitude	3000 m
Battery Chemistry	LFP (LiFePO <sub>4</sub> )
Warranty	5 Year Product Warranty, 10 Year Battery Performance Warranty**
Environmental Category	Outdoor
Pollution degree	PD2(Internal), PD3(Outside)
<b>Inverter Technical Specification</b>	
Rated Output Power	3000 VA
Backup Output Power	3000 VA
Max. AC Input Current	13 A
Rated Output 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
Max. Charging/Discharging Power	3000 W
Efficiency (DC to AC)	92.6 %
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, TOR D4, CEI 0-21
Safety	IEC 62040-1, IEC 62477-1
Protection class	Class I
Over voltage category	DC II, AC III
Inverter Topology	Isolated
Active anti-islanding method	AFD
<b>Battery Technical Specification</b>	
Module Capacity	2.7 kWh (The capacity drops to 2.6 kWh, if only one built-in battery.)
Module Nominal Voltage	51.2 V
Max. Short-circuit Current	200 A
Cycle Life	10 000 ***
Max. Charging/Discharging Current	56 A (1C)
External Battery Expansion	1 ~ 5 M4856-P in parallel
<b>BESS Model</b>	Storion-SMILE-B3 II( 5.4kWh): Storion-SMILE-B3+M4856-Px1 (610 x 236 x 955 mm; 84 kg) Storion-SMILE-B3 III( 8.1kWh): Storion-SMILE-B3+M4856-Px2 (610 x 236 x 1260 mm; 123 kg) Storion-SMILE-B3 IV(10.8kWh): Storion-SMILE-B3+M4856-Px3 (610 x 236 x 1565 mm; 162 kg) Storion-SMILE-B3 V(13.4kWh): Storion-SMILE-B3+M4856-Px4 (610 x 236 x 1870 mm; 201 kg) Storion-SMILE-B3 VI(16.1kWh): Storion-SMILE-B3+M4856-Px5 (610 x 236 x 2175 mm; 240 kg)
<b>Certification</b>	UN38.3, IEC 62619 (Cell), IEC 62619 (Pack)

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

\*\* The precondition of the valid Performance Warranty shall be that: The ambient temperature during the operation of the Products shall not fall below - 10 °C or exceed 50 °C, and the Throughput Energy per kWh Usable Capacity is less than 3.12MWh.

\*\*\* Under specific test conditions  
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