

● 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>	
<b>Max. AC Input/Output Power</b>	3000 W
<b>IP Protection</b>	IP65
<b>Dimension (W x D x H)</b>	610 x 236 x 650 mm
<b>Weight</b>	45 kg
<b>Operating Temperature Range</b>	-10 °C ~ 50 °C*
<b>Max. operation altitude</b>	3000 m
<b>Battery Chemistry</b>	LFP (LiFePO4)
<b>Warranty</b>	10 Year Product Warranty, 10 Year Battery Performance Warranty**
<b>Environmental Category</b>	Outdoor
<b>Pollution degree</b>	PD2(Internal), PD3(Outside)
<b>Inverter Technical Specification</b>	
<b>Rated Output Power</b>	3000 VA
<b>Backup Output Power</b>	3000 VA
<b>Max. AC Input Current</b>	13 A
<b>Rated Output Current</b>	13 A
<b>Nominal AC Input Voltage</b>	230 V
<b>Battery Voltage Range</b>	40 ~ 58 V
<b>Max. Charging/Discharging Current</b>	60 A
<b>Max. Charging/Discharging Power</b>	3000 W
<b>Max. Charging/Discharging Power</b>	3000 W
<b>Efficiency (DC to AC)</b>	92.6 %
<b>Nominal AC Output Voltage</b>	230 V
<b>Grid Voltage Range</b>	180 ~ 270 V
<b>Rated Frequency</b>	50 / 60 Hz
<b>Backup</b>	UPS
<b>Communication</b>	Ethernet / WIFI / DR Controllable
<b>Grid Regulation</b>	AS 4777.2, VDE-AR-N 4105, G98-1, G100, TOR D4, CEI 0-21
<b>Safety</b>	IEC 62040-1, IEC 62477-1
<b>Protection class</b>	Class I
<b>Over voltage category</b>	DC II, AC III
<b>Inverter Topology</b>	Isolated
<b>Active anti-islanding method</b>	AFD
<b>Battery Technical Specification</b>	
<b>Module Capacity</b>	2.7 kWh (The capacity drops to 2.6 kWh, if only one built-in battery.)
<b>Module Nominal Voltage</b>	51.2 V
<b>Max. Short-circuit Current</b>	200 A
<b>Cycle Life</b>	10 000 ***
<b>Max. Charging/Discharging Current</b>	56 A (1C)
<b>External Battery Expansion</b>	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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