

WORLD CLASS ENERGY STORAGE SOLUTION NOW AVAILABLE

SMILE-S5/B5

Residential Series

5 kW Inverter
5.04 kWh Battery Module
Expandable to 30.24 kWh

-  **VPP Ready**
-  **Built-in Battery**
-  **Slim but Powerful**



SMILE-S5/B5 



SMILE-S5/B5-INV

Hybrid Inverter:

- Max. PV input 8 kW DC
- Max. output power 5kW
- 640 x 250 x 350 mm (W x D x H) / 20 kg
- 22.5A Short circuit current
- IP65 (Outdoor)
- UPS 20A continuous for critical loads
- Open API, Modbus control portal



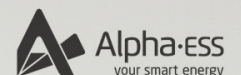
SMILE-BAT-5P

Battery Module:

- 5.04 kWh module
- 8.04-30.24 kWh
- 1C, 95% DoD, 48 V
- 40 kg
- 650 x 219 x 315 mm (W x D x H)
- IP65 (Outdoor)



The true all-in-one system. The most compact ESS in the world.



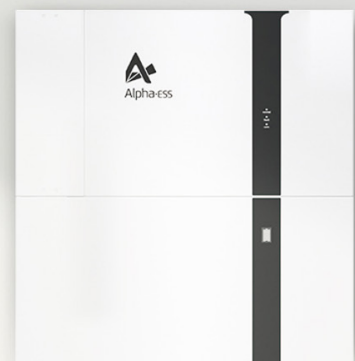
SMILE S5

Simple Installation

Each battery module has its own bracket for hanging neatly on the wall

Flexibility

Compatible with all solar inverters and solar panels in the Australian market



Smart monitoring. Set parameters, control & build VPP.

Convenient troubleshooting. Remote upgrades.



SMILE-S5/B5



Model	SMILE-S5	SMILE-B5
System Specification		
Nominal Output Power	5000 W	5000 W
Capacity Range	5.04 ~ 30.24kWh (95% DoD)	
Battery Chemistry	LFP (LiFePO4)	
IP Protection	IP65 (Outdoor)	
Warranty	5 Year Product Warranty, 10 Year Performance Warranty	

Inverter Technical Specification		
Model	SMILE-S5-INV	SMILE-B5-INV
Coupling	Hybrid	AC
Max. PV Input Power (S5 Only)	8000 W	NA
Max. PV Input Current (S5 Only)	15 A / 15 A	NA
Nominal PV Input Voltage (S5 Only)	330 V	NA
MPPT Number/Max. Input Strings Number per MPPT (S5 Only)	2 / 1	NA
MPPT Voltage Range (S5 Only)	90 ~ 520 V	NA
Max. PV Short-Circuit Current (S5 Only)	22.5 / 22.5 A	NA
Max. Charging/Discharging Current	100 A	100 A
Max. Charging/Discharging Power	5000 W	5000 W
Rated Frequency	50 / 60 Hz	
Rated Voltage	230 V	
Max. AC Output Current	21.7 A	21.7 A
Max. AC Input Current	33 A	33 A
Backup	UPS	
Communication	Ethernet / WiFi	
Humidity	0~95% (Non-Condensing)	
Dimension (W x D x H)	640 x 250 x 350 mm	
Weight	21 kg	
Safety	IEC 62109, IEC 62477	
EMC	EN61000-6-1/-2/-3/-4	
Grid Regulation	AS4777.2	

Battery Technical Specification	
Module Mode	SMILE-BAT-5P
Module Capacity	5.04 kWh
Usable Capacity	4.79 kWh
Depth of Discharge (DoD)	95%
Nominal Voltage	48 V
Max. Charging/Discharging Current	52.5 A
Operating Temperature Range	-10°C ~ 50°C*
Cycle Life	6000
External Battery Expansion	1 ~ 5 in parallel

*Max. charge/discharge current derating will occur related to temperature and SOC.