

YOUR
SMART
ENERGY



Alphaess

SMILE-S 5

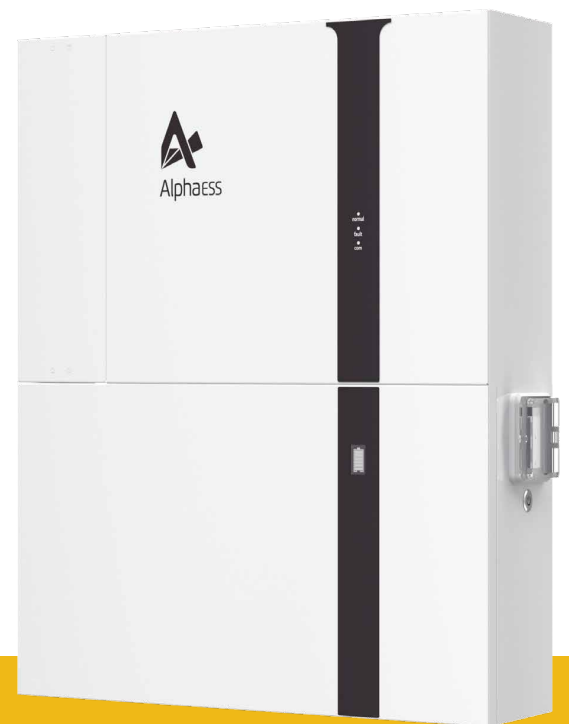
RESIDENTIAL SERIES

POWER

1 Phase 5 KW Inverter

CAPACITY

All-in-one 5KWh Battery
Module Expandable to
30.24 KWH



5year inverter (optional expandable to 10year)+10year battery product standard warranty

Local after sale support respond within 24hr

All-In-One Module

VPP Ready

Slim but Powerful

Easy Installation & Maintenance

SMILE-S5



Model		SMILE-S5
System Specification		
Nominal Output Power		5000 W
Capacity Range		5.04 ~ 30.24kWh (95% DoD)
Battery Chemistry		LFP (LiFePO4)
IP Protection		IP65 (Outdoor)
System Dimension (W x D x H)		640 x 250 x 745 mm
System Weight		75 kg
Warranty		5 Year Product Warranty, 10 Year Performance Warranty
Inverter Technical Specification		
Model		SMILE-S5-INV
Coupling		Hybrid
Max. PV Input Power (S5 Only)		8000 W
Max. PV Input Current (S5 Only)		15 A / 15 A
Nominal PV Input Voltage (S5 Only)		330 V
MPPT Number/Max. Input Strings Number per MPPT (S5 Only)		2 / 1
MPPT Voltage Range (S5 Only)		90 ~ 520 V
Max. PV Short-Circuit Current (S5 Only)		22.5 / 22.5 A
Max. Charging/Discharging Current		100 A
Max. Charging/Discharging Power		5000 W
Rated Frequency		50 / 60 Hz
Rated Voltage		230 V
Max. AC Output Current		21.7 A
Max. AC Input Current		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.



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