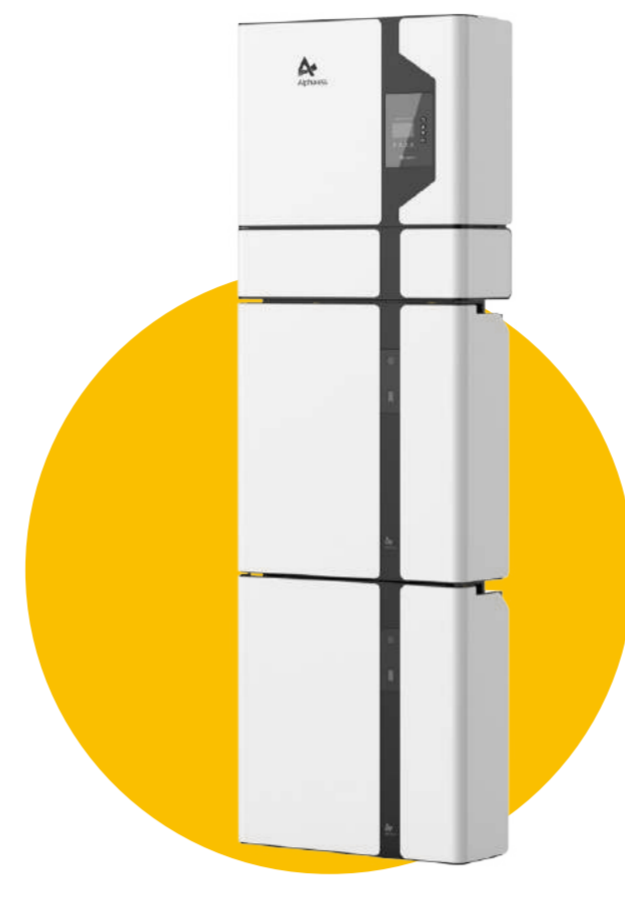


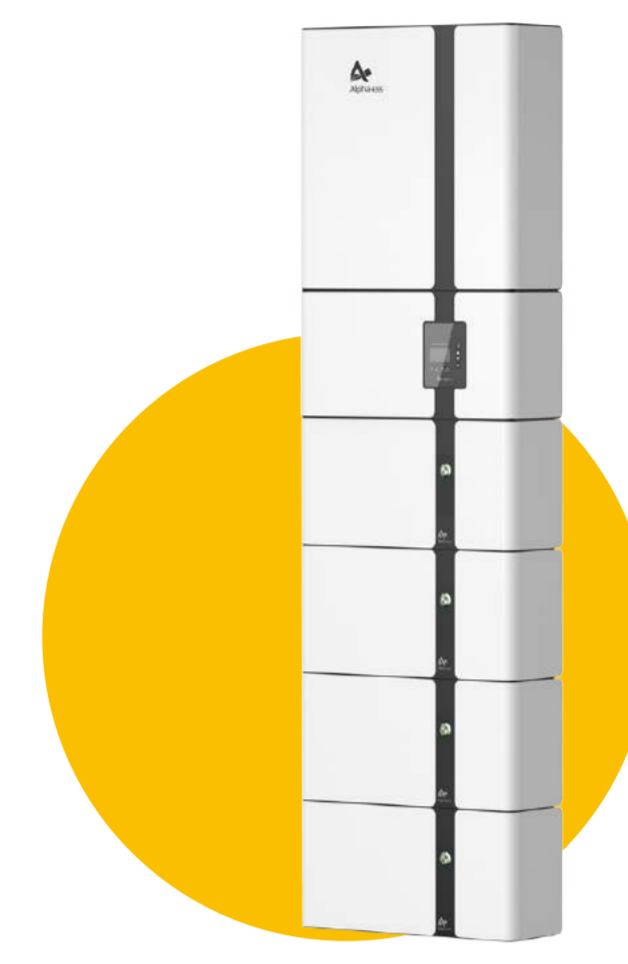
# Residential



SMILE-B3



SMILE5



SMILE-T10

## System Specification

Nominal Output Power	3000 W	5000 W / 4600 W (DE)			10 000 VA
Max. AC Output Power	3000 W	5000 W / 4600 W (DE)			10 000 VA
Max. AC Input Power	3000 W	5000 W / 4600 W (DE)			10 000 VA
Max. DC Input Power	-	6000 W			13 000 W*   12 000 W**
Capacity Range	2.9 ~ 17.2 kWh	2.9 ~ 17.2 kWh	5.7 ~ 34.4 kWh	10.1 ~ 60.6 kWh	11.5 kWh ~ 23.0 kWh
Depth of Discharge (DoD)	96%	96%	96%	90%	90%
Usable Capacity Range	2.8 ~ 16.5 kWh	2.8 ~ 16.5 kWh	5.5 ~ 33.0 kWh	9.1 ~ 54.4 kWh	2.9 ~ 23.0 kWh
Battery Chemistry	LFP (LiFePO4)	LFP (LiFePO4)			LFP (LiFePO4)
IP Protection	IP65 (Outdoor) / IP21 (Indoor)	IP21 (Indoor) / IP65 (Outdoor)			IP21 (Indoor) / IP65 (Outdoor)
Dimension (W x D x H)	610 x 236 x 625 mm (without external battery)	610 x 236 x 1827 mm (with 2 SMILE5-BAT)			610 x 236 x 2120 mm* (with 4 M4856-S)   610 x 236 x 2170 mm** (with 4 M4856-S)
Weight	45 kg	190 kg			238 kg
Operating Temperature Range	-10 °C ~ 50 °C***	-10 °C ~ 50 °C***			-10 °C ~ 50 °C***
Warranty	5 Year Product Warranty, 10 Year Battery Warranty	5 Year Product Warranty, 10 Year Battery Warranty			5 Year Product Performance, 10 Year Battery Warranty

## Inverter Technical Specification

Model	SMILE-B3	SMILE5-INV		SMILE-T10-INV
Max. AC Input Current	13 A	22 A		22.7 A
Nominal AC Voltage	220 / 230 / 240 V	220 / 230 / 240 V		380 / 400 / 415 V
Max. PV Input Current	-	2 x 12 A		12.5 / 12.5 A*   15.2 / 22 A**
Max. PV Input Voltage	-	580 V		1000 V*   600 V**
Battery Voltage Range	40 ~ 58 V	40 ~ 58 V		180 ~ 600 V
MPPT Number	-	2		2
MPPT Voltage Range	-	125 ~ 550 V		200 ~ 850 V*   200 ~ 550 V**
Start-up Voltage	-	125 V		180 V
Max. Short Current	-	2 x 15 A		15.2 / 15.2 A*   15.2 / 27.6 A**
Max. Charging/Discharging Current	60 A	100 A		25 A
Max. Charging/Discharging Power	3000 W	5000 W		10 000 W
Phase	Single-Phase	Single-Phase		Three-Phase
Rated Frequency	50 / 60 Hz	50 / 60 Hz		50 / 60 Hz
Output Power Factor	1 (Adjustable from 0.8 leading to 0.8 lagging)	1 (Adjustable from 0.8 leading to 0.8 lagging)		1 (Adjustable from 0.8 leading to 0.8 lagging)
Backup	UPS	UPS		UPS
Display	-	LCD		LCD (in HV50056)
Communication	Ethernet/WiFi	Ethernet		Ethernet
Humidity	15% ~ 85% (No Condensing)	15% ~ 85% (No Condensing)		15% ~ 85% (No Condensing)
Dimension (W x D x H)	610 x 236 x 625 mm (All In One)	610 x 236 x 615 mm		610 x 236 x 605 mm*   610 x 236 x 655 mm**
Weight	45 kg	60 kg		40 kg
Grid Regulation	AS 4777.2, VDE-AR-N 4105, G83/2	VDE-AR-N 4105, VDE 0126-1-1, AS 4777.2/1,3, CEI 0-21, G59/3, RD 1699, NRS 097-2-1		CEI 0-21, VDE4105-AR-N, EN50438, G98, G100*   AS/NZS 4777.2**
Safety	IEC 62040-1, IEC 62477-1	IEC 62109-1&-2, IEC 62477-1, IEC 62040.1.1, IEC 62116		IEC 62109-1&-2, IEC 62040-1
EMC	EN 61000-6-1/2/3/4	EN 61000-6-1/2/3/4		EN61000-6-1 / 2 / 3 / 4 EN61000-4-16 / 18 / 29

## Battery Technical Specification

					
Module Model	M4856-P	M4856-P	SMILE5-BAT	SMILE-BAT-10.1P	M4856-S
Module Capacity	2.9 kWh	2.9 kWh	5.7 kWh	10.1 kWh	2.9 kWh
Module Nominal Voltage	51.2 V	51.2 V	51.2 V	48 V	51.2 V
Max. Modules in Parallel	6	6	6	6	8
Module Weight	42 kg	42 kg	65 kg	90 kg	42 kg
Module Dimension (W x D x H)	610 x 236 x 303 mm	610 x 236 x 303 mm	610 x 236 x 606 mm	610 x 236 x 723 mm	610 x 236 x 303 mm
Max. Charging/Discharging Current	56 A (1C)	56 A (1C)	56 A (0.5C)	100 A (0.5C)	56 A (1C)
Cycle Life	10 000****	10 000****	10 000****	8000	6000

## High Voltage Control Box Technical Specification

BMU Model	-	-	HV50056
DC Voltage Range	-	-	179 ~ 465 V
Nominal Output Current	-	-	56 A
Battery Modules Connection	-	-	4 ~ 8 M4856-S in series

\*except Australia and New Zealand  
\*\*only for Australia and New Zealand  
\*\*\*When the temperature is below 0°C or above 40 °C, the performance will be limited.  
\*\*\*\* Under specific test conditions