

• YOUR
• SMART
• ENERGY



SMILE-T10

RESIDENTIAL SERIES

CAPACITY ▶

2.9 kWh modular
expandable to 23.0 kWh



UPS ability

Outdoor / Indoor

Modular design

24/7 Monitoring



SMILE-T10



Model		SMILE-T10
System Specification		
Nominal Output Power	10 000 VA	
Max. DC Input Power	12 000 W	
Capacity Range	11.5 kWh ~ 23.0 kWh (90% DoD)	
Battery Chemistry	LFP (LiFePO4)	
IP Protection	IP65 (Outdoor)	
Warranty	5 Year Product Warranty, 10 Year Performance Warranty	

Inverter Technical Specification			
Model	SMILE-T10-INV	Max. AC Output Current	16.5 A
Max. PV Input Current	12.5 / 22 A	Max. AC Input Current	22.7 A
Max. PV Input Voltage	600 V	Output Power Factor	1 (Adjustable from 0.8 leading to 0.8 lagging)
Max. Short Current	15.2 / 27.6 A	Backup	UPS
MPPT Number	2	Display	LCD (in HV50056)
MPPT Voltage Range	200 ~ 550 V	Humidity	15% ~ 85% (No Condensing)
Start-up Voltage	180 V	Dimension (W x D x H)	610 x 236 x 655 mm
Max. Charging / Discharging Current	25 A	Weight	40 kg
Phase	Three-Phase	Grid Regulation	AS/NZS 4777.2
Rated Voltage	400 / 380 V	Safety	IEC 62109-1&-2, IEC 62040-1
Rated Frequency	50 / 60 Hz	EMC	EN61000-6-1 / 2 / 3 / 4 EN61000-4-16 / 18 / 29

Battery Technical Specification	
Module Model	M4856-S
Module Capacity	2.9 kWh
Module Nominal Voltage	51.2 V
Operating Temperature Range	-10 °C ~ 50 °C*
Module Weight	42 kg
Module Dimension (W x D x H)	610 x 236 x 303 mm
Cycle Life	≥ 6000
Max. Charging/Discharging Current	56 A (1C)

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

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



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