

● YOUR
● SMART
● ENERGY



SMILE-T10-HV

HOME SERIE

CAPACITY ►

8.2 kWh modular
expandable to 49.5 kWh



UPS ability

Outdoor / Indoor

Modular design

24/7 Monitoring



SMILE-T10-HV



Model	SMILE-T10-HV
System Specification	
Nominal Output Power	10000 W
Capacity Range	8.2 ~ 49.5 kWh (95% DoD)
Battery Chemistry	LFP (LiFePO4)
IP Protection	IP65 (Outdoor)
Warranty	5 Year Product Warranty, 10 Year Performance Warranty

Inverter Technical Specification			
Model	SMILE-T10-HV-INV	Rated Voltage	380 / 400 V
Max. PV Input Power	16000 W	Phase	Three phase
Max. PV Input Current	2 x 26 A	Backup	UPS
Max. PV Input Voltage	1000 V	Communication	Ethernet / WiFi
MPPT Number/ Max. input strings number per MPPT	2/2	Start Up Voltage	160 V
MPPT Voltage Range	200 ~ 850 V	Humidity	15% ~ 85% (No Condensing)
Max. PV Short-circuit Current	2 x 39 A	Dimension (W x D x H)	580 x 230 x 586 mm
Max. Charging / Discharging Current	40 A	Weight	30 kg
Rated Voltage	10000 W	Safety	IEC 62109
Rated Frequency	50 / 60 Hz	EMC	EN61000-6-1/-3
Grid Regulation	AS4777, CEI0-21, G99, G100, NRS, EN50549, PEA		

Battery Technical Specification	
Module Model	SMILE-BAT-8.2 PH
Module Capacity	8.2 kWh
Usable Capacity	7.8 kWh
Depth of Discharge (DoD)	95%
Nominal Voltage	256 V
Max. Charging/Discharging Current	38.4 A
Operating Temperature Range	-10 °C ~ 50 °C*
Cycle Life	10000**
Battery Modules Connection	1 ~ 6 in parallel

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

** Under specific test conditions



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