

● YOUR
● SMART
● ENERGY



SMILE-T10-HV

HOME SERIE

CAPACITY ▶

8.2 kWh modular
expandable to 49.2 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 ~ 49.2 kWh (95% DoD)		
Battery Chemistry	LFP (LiFePO4)		
IP Protection	IP21 (Indoor)		
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 / 4G
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 606 mm
Max. Charging / Discharging Current	40 A	Weight	30 kg
Max. Charging / Discharging Power	10000 W	Safety	IEC 62109
Rated Frequency	50 / 60 Hz	EMC	EN61000-6-1/-2/-3/-4
Grid Regulation	VDE 4105, TOR Erzeuger		
Battery Technical Specification			
Module Model	SMILE-BAT-8.2PH		
Module Capacity	8.2 kWh		
Usable Capacity	7.8 kWh		
Depth of Discharge (DoD)	95%		
Nominal Voltage	256 V		
Max. Charging/Discharging Current	32 A		
Operating Temperature Range	-10 °C ~ 50 °C*		
Cycle Life	10000**		
Battery Modules Connection	1 ~ 6 in parallel		

* When the temperature is below 10°C or above 50°C, the performance will be limited.

** Under specific test conditions



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