

YOUR
SMART
ENERGY



SMILE-T10-HV

RESIDENTIAL SERIES

POWER
10 kW

CAPACITY
8.2 kWh Battery Modular
Expandable to 49.2 kWh



Modular Design
UPS Ability
High Voltage & High Efficiency
Three-Phase Output
160% PV Input



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	IP65 (Outdoor) / 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+1	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, IEC 62040
Rated Frequency	50 / 60 Hz	EMC	EN61000-6-1/-2/-3/-4
Grid Regulation	VDE 4105, EN 50549, C10/11, NC RfG, G98, TOR Erzeuger, AS4777.2, PEA, UNE_217002, VDE 0126		

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

* Max. charge/discharge current derating will occur related to temperature and SOC.

** Under specific test conditions.



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