





Energy Storage System (ESS) for residential applications -

STORION SERIES SMILE T10



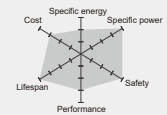
✓ Key Features

-  **UPS ability**
-  **Outdoor/Indoor**
-  **Modular design**
-  **24/7 Monitoring**



Real-time Monitoring

All systems can be monitored by **Web and iOS/Android APP**.



Safest Chemistry

AlphaESS uses Li-phosphate for its excellent safety and long lifespan.

About AlphaESS

As one of the earliest pioneers in energy storage market with lithium iron technology, AlphaESS has a vision to pave the path for everyone in the world to enjoy clean energy one day.

AlphaESS is a multinational company that currently has more than 10'000 residential and commercial systems running in 30 countries globally and its products are accredited by IEC, TÜV, CEC and many other international standards.

All AlphaESS energy systems are integrated with smart energy management solutions. AlphaESS is committed to revolutionize the future energy network through our patented German technologies.



Official Website



Scan to download APP (iOS/Android)



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System Specification	
Model	Storion-SMILE T10
Nominal Output Power	10 000 W
Max. DC Input Power	13 000 W
Capacity Range	5.7 kWh ~ 23.0 kWh (90% DoD)
Battery Chemistry	LFP (LiFePO4)
IP Protection	IP21 (Indoor) / IP65 (Outdoor)
Warranty	5 Year Product Warranty, 10 Year Performance Warranty

Inverter Technical Specification			
Model	SMILE T10-INV	Grid Voltage Range	360 V ~ 440 V
Max. PV Input Current	23 A / 14 A	Rated Frequency	50 Hz
Max. PV Input Voltage	1000 V	Backup	UPS
MPPT Number	2	Display	LCD
MPPT Voltage Range	330 V ~ 800 V	Humidity	15% ~ 85% (No Condensing)
Max. Charge/Discharge Current	25 A	Dimension (WxDxH)	600 mm x 250 mm x 600 mm
Max. Charge/Discharge Power	10,000 W	Weight	50 kg
Phase	Three-Phase	Grid Regulation	VDE 4105, VDE 0126, AS 4777
Rated Voltage	400 V	Safety	IEC 62109-1&-2, IEC 62477, CE-EMC

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	35 kg
Module Dimension (W x D x H)	600 mm x 250 mm x 300 mm
Cycle Life	≥ 6000
Max. Charge/Discharge Current	56 A (1C)

High Voltage Control Box Technical Specification	
BMU Model	HV50056
DC Voltage Range	80 V ~ 500 V
Nominal Output Current	56 A
Battery Modules Connection	2 ~ 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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