

STORION SMILE-T10



Model	Storion-SMILE-T10	
System Specification		
Nominal Output Power	10 000 VA	
Max. DC Input Power	13 000 W*	12 000 W**
Capacity Range	11.5 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		Max. AC Output Current	16.5 A
Max. PV Input Current	12.5/12.5A*	12.5/22A**	Max. AC Input Current	22.7 A
Max. PV Input Voltage	1000 V*	600 V**	Output Power Factor	1 (Adjustable from 0.8 leading to 0.8 lagging)
Max. Short Current	15.2/15.2A*	15.2/27.6A**	Backup	UPS
MPPT Number	2		Display	LCD (in HV50056)
MPPT Voltage Range	200 ~ 850 V*	200 ~ 550 V**	Humidity	15% ~ 85% (No Condensing)
Start-up Voltage	180 V		Dimension (W x D x H)	610 x 236 x 605 mm* 610 x 236 x 655 mm**
Max. Charging / Discharging Current	25 A		Weight	40 kg
Phase	Three-Phase		Grid Regulation	CEI 0-21, VDE4105-AR-N, EN50438, G98, G100* 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

*except Australia and New Zealand
 **only for Australia and New Zealand
 ***When the temperature is below 0 °C or above 40 °C, the performance will be limited.



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