

• YOUR
• SMART
• ENERGY



STORION T50/T100

COMMERCIAL &
INDUSTRIAL SERIES

POWER

50 / 100 kW

CAPACITY

34.2 ~ 967.6 kWh



UPS Ability

Off-grid Ability

Modular Design

Easy Installation and Low Maintenance

24/7 Monitoring with Local Interface

STORION T50/T100



Model	STORION-T50/T100	
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System Specification

Model	STORION-T50	STORION-T100
Nominal AC Power	50 kW	100 kW
Max. PV Input Power	100 kW	200 kW
Capacity Range	34.2 kWh ~ 967.68 kWh (On-grid 90%DoD, Off-grid 85%DoD)	
Battery Chemistry	LFP (LiFePO4)	
Application Environment	Indoor (Rack) / Outdoor (Container)	
Warranty	3 Year Product Warranty, 10 Year Performance Warranty	

Inverter Technical Specification

Max. PV Input Current	192 A	384 A	Phase	3-phase 4 line	
PV Input Voltage Range	700 ~ 900 V (MPPT520 ~ 800 V)		Nominal AC Current	72 A	144 A
MPPT Number	1		Max.AC Power	55 kW	110 kW
Battery Voltage Range	250 ~ 520 V		Rated Frequency	50 / 60 Hz	
Max. Charging/Discharging Current	150 A	300 A	Backup	UPS (With STS Module)	
Max. Charging/Discharging Power	50 kW	100 kW	Dimension (W x D x H)	800 x 800 x 2160 mm	
Rated Voltage	400 V		Weight	520 kg	750 kg
Grid Voltage Range	340 ~ 460 V		Power Factor Range	1 (lagging) ~ 1 (leading)	
Certifications	IEC62477, EN62109, IEC61000, VDE4105, EN50549, VDE0126, IEC62040+AS4777				

Battery Technical Specification

Module Model	M48112-S	M38210-S
Module Weight	65 kg	62 kg
Module Dimension (W x D x H)	450 x 580 x 165 mm	325 x 560 x 222 mm
Max. Charging/Discharging Current	112 A	105 A
Module Capacity	5.7 kWh	8.1 kWh
Module Nominal Voltage	51.2 V	38.4 V
Cycle Life	≥ 6000	≥ 6000
Operating Temperature Range	-10 °C ~ 50 °C*	-10 °C ~ 50 °C*

High Voltage Control Box Technical Specification

BMU Model	HV900112 (TOP BMU required with more than one cluster)	HV900105 (TOP BMU required with more than one cluster)
DC Voltage Range	200 ~ 900 V	200 ~ 900 V
Nominal Output Current	112 A	105 A
Battery Modules Connection	6-9 in series in one cluster	8-12 in series in one cluster
Clusters Connection	Max. 10 clusters in parallel**	Max. 10 clusters in parallel**

* When the ambient temperature is too low or too high, the performance of battery may be limited.

**Standard products are 1~4 clusters, more than 4 clusters need to be customized.



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