

● YOUR
● SMART
● ENERGY



STORION T50/T100

COMMERCIAL &
INDUSTRIAL SERIES

CAPACITY ▶

34.4 kWh modular
expandable to 1032.2 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	
System Specification			
Model	Storion-T50	Storion-T100	
Nominal AC Power	50 kW	100 kW	
Max. PV Input Power	100 kW	200 kW	
Capacity Range	34.4 kWh ~ 1032.2 kWh (90% 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	220 A 440 A	Phase	Three-Phase
PV Input Voltage Range	520 ~ 900 V	Nominal AC Current	72 A 144A
MPPT Number	1	Off-grid Voltage Range	360 ~ 440 V
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	Grid Regulation	AS 4777.2/1.3
Power Factor Range	1 (lagging) ~ 1 (leading)	Safety	IEC 62109-1&-2
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	326 x 560 x 222 mm	
Max. Charging/Discharging Current	112 A (1C)	105 A (0.5C)	
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 <small>(TOP BMU required with more than one cluster)</small>	HV900105 <small>(TOP BMU required with more than one cluster)</small>	
DC Voltage Range	200 ~ 900 V	200 ~ 900 V	
Nominal Output Current	112 A	105 A	
Battery Modules Connection	6 ~ 9 M48112-S in series in one cluster	8 ~ 12 M38210-S in series in one cluster	
Clusters Connection	Max. 20 clusters in parallel	Max. 20 clusters in parallel	

* When the temperature is below 0 °C or above 40 °C, the performance will be limited.



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