

● 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	110 A	220 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	332 x 570 x 223 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 (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 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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