

● YOUR  
● SMART  
● ENERGY



# STORION T50/T100

COMMERCIAL &  
INDUSTRIAL SERIES

**CAPACITY** ▶

34.4 kWh modular  
expandable 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	
<b>System Specification</b>			
<b>Model</b>	Storion-T50	Storion-T100	
<b>Nominal AC Power</b>	50 kW	100 kW	
<b>Max. PV Input Power</b>	100 kW	200 kW	
<b>Capacity Range</b>	34.4 kWh ~ 1032.2 kWh (90% DoD)		
<b>Battery Chemistry</b>	LFP (LiFePO4)		
<b>Application Environment</b>	Indoor (Rack) / Outdoor (Container)		
<b>Warranty</b>	3 Year Product Warranty, 10 Year Performance Warranty		
<b>Inverter Technical Specification</b>			
<b>Max. PV Input Current</b>	110 A   220 A	<b>Phase</b>	Three-Phase
<b>PV Input Voltage Range</b>	520 ~ 900 V	<b>Nominal AC Current</b>	72 A   144A
<b>MPPT Number</b>	1	<b>Off-grid Voltage Range</b>	360 ~ 440 V
<b>Battery Voltage Range</b>	250 ~ 520 V	<b>Rated Frequency</b>	50 / 60 Hz
<b>Max. Charging/Discharging Current</b>	150 A   300 A	<b>Backup</b>	UPS (With STS Module)
<b>Max. Charging/Discharging Power</b>	50 kW   100 kW	<b>Dimension (W x D x H)</b>	800 x 800 x 2160 mm
<b>Rated Voltage</b>	400 V	<b>Weight</b>	520 kg   750 kg
<b>Grid Voltage Range</b>	340 ~ 460 V	<b>Grid Regulation</b>	AS 4777.2/.3
<b>Power Factor Range</b>	1 (lagging) ~ 1 (leading)	<b>Safety</b>	IEC 62109-1&-2
<b>Battery Technical Specification</b>			
<b>Module Model</b>	M48112-S	M38210-S	
<b>Module Weight</b>	65 kg	62 kg	
<b>Module Dimension (W x D x H)</b>	450 x 580 x 165 mm	332 x 570 x 223 mm	
<b>Max. Charging/Discharging Current</b>	112 A (1C)	105 A (0.5C)	
<b>Module Capacity</b>	5.7 kWh	8.1 kWh	
<b>Module Nominal Voltage</b>	51.2 V	38.4 V	
<b>Cycle Life</b>	≥ 6000	≥ 6000	
<b>Operating Temperature Range</b>	-10 °C ~ 50 °C*	-10 °C ~ 50 °C*	
<b>High Voltage Control Box Technical Specification</b>			
<b>BMU Model</b>	HV900112 <small>(TOP BMU required with more than one cluster)</small>	HV900105 <small>(TOP BMU required with more than one cluster)</small>	
<b>DC Voltage Range</b>	200 ~ 900 V	200 ~ 900 V	
<b>Nominal Output Current</b>	112 A	105 A	
<b>Battery Modules Connection</b>	6 ~ 9 M48112-S in series in one cluster	8 ~ 12 M38210-S in series in one cluster	
<b>Clusters Connection</b>	Max. 20 clusters in parallel	Max. 20 clusters in parallel	

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