



# 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 ~ 2073.6 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>	192 A	384 A	<b>Phase</b> 3-phase 4 line
<b>PV Input Voltage Range</b>	520 ~ 900 V		<b>Nominal AC Current</b> 72 A   144A
<b>MPPT Number</b>	1		<b>Max.AC Power</b> 55 kW   110 kW
<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 4777.2/1.3
<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>	491 x 611 x 160 mm**		326 x 589 x 232 mm**
<b>Max. Charging/Discharging Current</b>	112 A		105 A
<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 in series in one cluster		8-12 in series in one cluster
<b>Clusters Connection</b>	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.

\*\*Including hangers and handles.



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