

System Specification

Model	Storion-T50	Storion-T100
Nominal Output Power	50 kW	100 kW
Max. PV Input Power	110 kW	220 kW
Capacity Range	28.7 kWh ~ 1032.2 kWh (90% DoD)	
Battery Chemistry	LFP (LiFePO4)	
IP Protection	IP21/IP65 (in 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 V ~ 900 V		Off-grid Voltage Range	360 V ~ 440 V
MPPT Number	1		Rated Frequency	50/60 Hz
Battery Voltage Range	250 V ~ 520V		Backup	UPS (With STS Module)
Max. Charge/Discharge Current	150 A	300 A	Dimension (W x D x H)	800 mm x 800 mm x 2160 mm
Max. Charge/Discharge Power	50 kW	100 kW	Weight	520 kg 750 kg
Rated Voltage	400 V		Grid Regulation	AS 4777.2/3
Grid Voltage Range	340 V ~ 460 V		Safety	IEC 62109-1&-2

Battery Technical Specification

Module Model	M48112-S	Module Capacity	5.7 kWh
Module Weight	65 kg	Module Nominal Voltage	51.2 V
Module Dimension (W x D x H)	450 mm x 580 mm x 165 mm	Cycle Life	≥ 6000
Max. Charge/Discharge Current	112 A (1C)	Operating Temperature Range	-10 °C ~ 50 °C*

High Voltage Control Box Technical Specification

BMU Model	HV900112 (TOP BMU required with more than one cluster)
DC Voltage Range	200 V ~ 900 V
Nominal Output Current	112 A
Battery Modules Connection	5 ~ 9 M48112-S in series in one cluster
Clusters Connection	Max. 20 clusters in parallel

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



T50/T100 System Diagram

