



YOUR
SMART
ENERGY



STORION-TB250/500

COMMERCIAL & INDUSTRIAL SERIES

POWER

250 / 500 kW

CAPACITY

5.7 / 8.1 / 11.5 kWh Modular
Expandable to MWhs



- Load Shifting
- Off-grid Ability
- Peak shaving
- Backup Function
- Demand Charge Management
- 24/7 Monitoring

STORION TB250/500



Model		Storion-TB250/500	
System Specification			
Nominal AC Power	250 kW	500 kW	
Max. AC Power	275 kW	550 kW	
Battery Chemistry	LFP (LiFePO4)	LFP (LiFePO4)	
Application Environment	Indoor		
Warranty	3 Year Product Warranty, 10 Year Performance Warranty		
Inverter Technical Specification			
Max. AC Current	397 A	882 A	
Nominal AC Voltage	400 V (3-Phase+N+PE)	380V (3-Phase 3-Wire)	
AC Voltage Range	340 ~ 460 V	342 ~ 418 V	
Rated Frequency	50 / 60 Hz	50 / 60 Hz	
Power Factor Range	0.8~1 leading or lagging	0.8~1 leading or lagging	
Battery Voltage Range	250 ~ 520 V	600 ~ 900 V	
Max. Charging/Discharging Current	550 A	873 A	
Max. Charging/Discharging Power	250 kW	500 kW	
Backup	UPS (With STS Module)	UPS (With STS Module)	
Dimension (W x D x H)	1200 x 800 x 2160 mm	1100 x 800 x 2160 mm	
Weight	600 kg	1280 kg	
Certificate	IEC62477, IEC61000	IEC62477, IEC61000, EN 50549, G99, AS4777	

Battery Technical Specification			
Module Model	M48112-S	M38210-S	M48240-S
Module Nominal Voltage	51.2 V	38.4 V	48 V
Module Weight	65 kg	62 kg	112 kg
Cycle Life	≥ 6000	≥ 6000	≥ 6000
Module Capacity	5.7 kWh	8.1 kWh	11.5 kWh
Operating Temperature Range	-10 °C ~ 50 °C*	-10 °C ~ 50 °C*	-10 °C ~ 50 °C*
Module Dimension (W x D x H)	491 x 611 x 160 mm**	326 x 589 x 232 mm**	590 x 677 x 695 mm**
Max. Charging/Discharging Current	112 A	105 A	120 A

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)	HV900120 (TOP BMU required with more than one cluster)
DC Voltage Range	200 ~ 900 V	200 ~ 900 V	200 ~ 900 V
Nominal Output Current	112 A	105 A	120 A
Modules Connection	6 ~ 13 in series in one cluster	7 ~ 20 in series in one cluster	6 ~ 16 in series in one cluster
Clusters Connection	Max. 20 clusters in parallel	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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