

● YOUR
● SMART
● ENERGY



STORION **Alpha-CS**

COMMERCIAL &
INDUSTRIAL SERIES

CAPACITY

6.9 / 8.1 kWh Modular
Expandable to MWhs



Load Shifting

Off-Grid Ability

Peak Shaving

Backup Function

Demand Charge Management

24/7 Monitoring

STORION Alpha-CS



| Model | | Alpha-CS | |
|--|--|---|--|
| System Specifications | | | |
| Nominal AC Power | 250 kW | 500 kW | |
| Max. AC Power | 275 kW | 550 kW | |
| Battery Chemistry | LFP (LiFePO ₄) | | |
| Application Environment | Indoor (Rack) / Outdoor (Container) | | |
| Warranty | 3 Years Product Warranty | | |
| Inverter Technical Specifications | | | |
| Max. AC Current | 397 A | 836 A | |
| Grid Voltage Range | 340 ~ 460 V, 3L/N/PE | 340 ~ 460 V, 3L/PE | |
| Rated Frequency | 50 / 60 Hz | 50 / 60 Hz | |
| AC PF | Listed: 0.8~1 leading or lagging Actual: 0.1~1 leading or lagging | | |
| Battery Voltage Range | 600 ~ 900 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) | | |
| Dimensions (W x D x H) | 1200 x 800x 2160 mm | 1100 x 800 x 2160 mm | |
| Weight | 1280 kg | 600 kg | |
| Certifications | IEC62477, IEC61000 | IEC62477, IEC61000, IEC61727, IEC62116, EN62109, EN50549, AS4777, G99 | |
| Battery Technical Specifications | | | |
| Module Model | M38180-S | M38210-S | |
| Rated Capacity | 6.912 kWh | 8.064 kWh | |
| Rated Voltage | 38. 4V | 38. 4V | |
| Cycle Life | 80% EOL with 6000@1C 25°C | 80% EOL with 6000@0.5C 25°C | |
| Weight | 64 kg | 62 kg | |
| Operating Temperature Range | -10 °C ~ 50 °C* | -10 °C ~ 50 °C* | |
| Module Dimensions (W x D x H) | 326 x 654 x 250 mm** | 326 x 560 x 222 mm** | |
| Max. Charging/Discharging Current | 180 A | 105 A | |
| High-Voltage Control Box Technical Specifications | | | |
| BMU Model | HV900180 | HV900105 | |
| DC Voltage Range | 900 V | 900 V | |
| Rated Output Current | 180 A | 105 A | |
| Battery Modules Connection | 17 ~ 20 in series in one cluster | | |
| Clusters Connection | Max. 10 clusters in parallel | | |

* Max. charge/discharge current derating will occur related to temperature and SOC.

**Including hangers and handles.



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