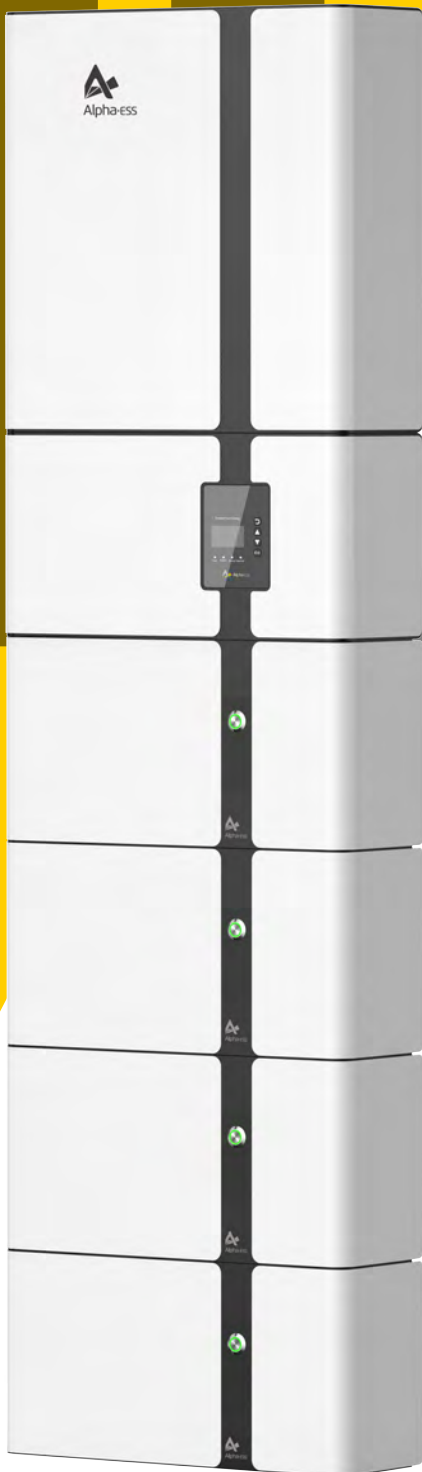




Alpha-ESS

Home Battery **STORION SMILE-T10**



Key Features

- 10 kW Inverter ●
- 3 Phase System ●
- AC/DC or hybrid - coupling ●
- Modular 2,9 kWh Batteries ●
- Expandable from 11,6 to 23,2 kWh ●
- Integrated UPS ●
- Online Monitoring ●
- Long Life ●
- Stylish and Compact ●

| System Specification | |
|----------------------|--|
| Model | Storion - SMILE - T10 - INV |
| Nominal Output Power | 10.000 W |
| Max. DC Input Power | 13.000 W |
| Capacity | 11,6 / 14,5 / 17,4 / 20,3 / 23,2 kWh |
| Battery Chemistry | LFP (LiFePO4) |
| IP Protection | IP21 (inside) |
| Warranty | 5 year on inverter, 10 year on battery performance |

| Inverter Technical Specifications | | | |
|-----------------------------------|-------------------|------------------------|-----------------------------------|
| Model | SMILE - T10 - INV | Grid Voltage Range | 360 V ~ 440 V |
| Max. PV Input Current | 23 A / 14 A | Rated Frequency | 50 Hz |
| Max. PV Input Voltage | 1000 V | Backup | UPS |
| MPPT Number | 2 | Display | LCD |
| MPPT Voltage Range | 330 V ~ 800 V | Humidity | 15% ~ 85% (non condensing) |
| Max. Charge/Discharge Current | 25 A | Dimensions (W x D x H) | 600 x 250 x 600 mm |
| Max. Charge/Discharge Power | 10.000 W | Weight | 50 kg |
| Phases | 3-Phase | Grid Regulation | VDE4105, VDE 0126 |
| Rated Voltage | 400 V | Safety | IEC 62109-1&-2, IEC 62477, CE-EMC |

| Battery Technical Specification | |
|---------------------------------|--------------------|
| Model | M4856-S |
| Module Capacity | 2,9 kWh |
| Module Rated Voltage | 51,2 V |
| Operating Temperature Range | -10 °C ~ 50 °C* |
| Weight per module | 35 kg |
| Dimensions (W x D x H) | 600 x 250 x 300 mm |
| Max. Charge/Discharge Current | 56 A (1C) |
| Cycle Life | ≥ 6000 |
| Depth of Discharge (DoD) | 90% |

| High Voltage Control Box Technical Specification | |
|--|-------------------------|
| BMU Model | HV50056 |
| DC Voltage Range | 80 V ~ 500 V |
| Rated Output Current | 56 A |
| Connectable battery modules | 4 ~ 8 M4856-S in series |

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

