

# TH Battery

| TH-48-LV280-1.0               |                                                                                 | Units |
|-------------------------------|---------------------------------------------------------------------------------|-------|
| Performance Specification     |                                                                                 |       |
| Battery type                  | LiFePO4                                                                         |       |
| Total energy capacity         | >15                                                                             | kWh   |
| Nominal energy capacity       | 14.2                                                                            | kWh   |
| Charge Voltage                | 55.2-56.6                                                                       | V     |
| Max charge/discharge Current  | 150A @25±2°C                                                                    | A     |
| General Data                  |                                                                                 |       |
| Weight                        | 129                                                                             | kg    |
| Dimensions                    | 715x455x255                                                                     | mm    |
| Storage temperature range     | -20 ~ 50                                                                        | °C    |
| Charging temperature range    | 0 ~ 50                                                                          | °C    |
| Discharging temperature range | -10 ~ 50                                                                        | °C    |
| Relative humidity range       | 10% - 85% (non-condensing)                                                      |       |
| Cooling                       | Natural convection                                                              |       |
| IP level                      | Indoors                                                                         |       |
| Installation method           | Floor standing                                                                  |       |
| Built in heaters              | 2 x 100W                                                                        |       |
| Standard Compliance           |                                                                                 |       |
| Standard                      | UN 38.3, CE, IEC/EN 62619, EVS-EN IEC 61000-6-1:2019, EVS-EN IEC 61000-6-3:2021 |       |



| Number of battery modules    | 1    | 2    | 3    | 4    | pcs |
|------------------------------|------|------|------|------|-----|
| Energy capacity              | 14.2 | 28.4 | 42.6 | 56.8 | kWh |
| Charge / discharge power     | 7.2  | 14.3 | 21.5 | 28.7 | kW  |
| Peak discharge power (30 ms) | 15.4 | 30.7 | 46.1 | 61.4 | kW  |
| Total weight                 | 129  | 256  | 387  | 516  | kg  |
| Total height (with base)     | 410  | 675  | 940  | 1205 | mm  |
| Total width                  | 455  |      |      |      | mm  |
| Total depth                  | 715  |      |      |      | mm  |