

# TRIPLE POWER

- Safest LiFePO<sub>4</sub> battery
- 90% DOD
- Cycle life>6000 times
- IP65 protection level
- Floor or wall mounting
- Less self consumption
- Quick installation
- No toxic heavy metals or caustic materials



V1



V2

# T-BAT SYS-HV Configuration List

|  | T-BAT H 5.8                            | T-BAT H 11.5            | T-BAT H 17.3                | T-BAT H 23                  |
|--|--|-------------------------|-----------------------------|-----------------------------|
| Nominal Voltage [V]                        | 115.2                                  | 230.4                   | 345.6                       | 460.8                       |
| Operating Voltage [V]                      | 100-131                                | 200-262                 | 300-393                     | 400-524                     |
| Battery Type                               | Li-ion (LFP)                           | Li-ion (LFP)            | Li-ion (LFP)                | Li-ion (LFP)                |
| Total Capacity [kWh]                       | 5.8                                    | 11.5                    | 17.3                        | 23.0                        |
| Usable Capacity <sup>[1]</sup> [kWh]       | 5.1                                    | 10.4                    | 15.5                        | 20.7                        |
| Faradic Charge Efficiency [%]              | 99                                     | 99                      | 99                          | 99                          |
| Battery Roundtrip Efficiency [%]           | 95                                     | 95                      | 95                          | 95                          |
| Standard Power [kW]                        | 2.8                                    | 5.7                     | 8.6                         | 11.5                        |
| Max Power [kW]                             | 4.0                                    | 8.0                     | 12.0                        | 16.1                        |
| Recommend Charge/Discharge Current [A]     | 25                                     | 25                      | 25                          | 25                          |
| Max Charge/Discharge Current [A]           | 35                                     | 35                      | 35                          | 35                          |
| Short Circuit Current[A]                   | 760                                    | 760                     | 760                         | 760                         |
| Cycle Life                                 | >6000 Cycles                           | >6000 Cycles            | >6000 Cycles                | >6000 Cycles                |
| Warranty [Year]                            | 10                                     | 10                      | 10                          | 10                          |
| Available Operating Temperature Range [°C] | 0 to 55                                |                         |                             |                             |
| Full-load Operating Temperature Range [°C] | 5 to 48                                |                         |                             |                             |
| Relative Humidity [%]                      | 4 to 100 (condensing)                  |                         |                             |                             |
| Altitude [m]                               | Below 2000                             |                         |                             |                             |
| Protection                                 | IP65                                   |                         |                             |                             |
| System to Inverter                         | CAN2.0                                 |                         |                             |                             |
| Battery to Battery/BMS                     | RS485                                  |                         |                             |                             |
| Data Collection Port /FW UPDATE            | CAN2.0                                 |                         |                             |                             |
| Master Control Working Mode Indicator      | 1 LED                                  |                         |                             |                             |
| Master Control Capacity Indicator          | 4LED (25%, 50%, 75%, 100%)             |                         |                             |                             |
| Battery Module LED                         | 2 LED                                  |                         |                             |                             |
| Reset                                      | Button                                 |                         |                             |                             |
| Switch ON/OFF                              | Buttonx1 + breakerx1                   |                         |                             |                             |
| Safety                                     | CE, RCM, IEC62619, UL1973, ROHS, REACH |                         |                             |                             |
| UN Number                                  | UN3840                                 |                         |                             |                             |
| Hazardous Materials Classification         | Class 9                                |                         |                             |                             |
| Transport Testing Requirement              | UN38.3                                 |                         |                             |                             |
| Dimensions(LxWxH) [mm]                     | 474x193x708                            | 474x193x708+474x193x647 | 474x193x708+(474x193x647)x2 | 474x193x708+(474x193x647)x3 |
| Weight [kg]                                | 72.2                                   | 72.2+68.5               | 72.2+68.5x2                 | 72.2+68.5x3                 |

[1] Test conditions:90% DOD, 0.2C charger & discharger @+25°C

\* X3 Hybrid inverter can connect 2-4pcs of T58 batteries(1pc of T58 master, and rest 1-3pcs of T58 slave).

\* X1 Hybrid inverter can connect 1-3pcs of T58 batteries(1pc of T58 master, without T58 slave, or with 1-2pcs of T58 slave).

\* With BMS Parallel Box-II, the maximum battery quantity connected on each inverter varies, please kindly check datasheet of BMS Parallel Box-II.

\* Maximum Charge/Discharge Current may be variant with different inverter models