



T-BAT SYS-HV

- Safest LiFePO₄ 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 H 5.8 T-BAT H 5.8 V2 | T-BAT H 11.5 T-BAT H 11.5 V2 | T-BAT H 17.3 T-BAT H 17.3 V2 | T-BAT H 23 T-BAT H 23 V2 |
|--|--|---------------------------------|---------------------------------|-----------------------------|
| 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 ^[1] [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