

Off Peak Power Storage

12kW Battery Storage System [T-BAT-SYS-HV-12.0]

Project
cürv

TAKING ADVANTAGE OF OFF-PEAK TARIFFS AND REDUCE ENERGY BILLS.

*Perfect for domestic and light
commercial properties*

The Cürv® power store is a high performance battery storage system; ideal for any size home.

- Systematic design, in-depth optimization and seamless connection with Solax Hybrid inverter
- Unique battery heating technology, which is capable to work at low temperature
- Safest type of LiFePO₄ battery, an adoption of high-performance processors
- Modular stacking design, easy installation, supporting floor and wall mounting
- Auto power replenishment technology is adopted to prevent battery over-discharge
- IP65, supporting indoor and outdoor installation
- Remote fault diagnosis, upgrade and maintenance
- Multiple communication interfaces: RS485, CAN
- International brand devices, better stability
- Long life cycle, more than 6000 times
- Safety Cert. TUV, CE, UN38.3



**10 YEAR
WARRANTY**



**MAXIMUM
ENERGY EFFICIENCY**



**IP65
PROTECTION**



**OFF-PEAK ENERGY
CAPABILITIES**



**QUICK
INSTALLATION**

Off Peak Power Storage

12kW Battery Storage System [T-BAT-SYS-HV-12.0]

| | |
|--|-------------|
| Nominal voltage [V] | 409.6 |
| Operating voltage range [V] | 360~464 |
| Total energy [kWh] | 12.2 |
| Usable energy ¹ [kWh] | 10.9 |
| Rated capacity [Ah] | 30 |
| Nominal power [kW] | 10.2 |
| Max. power [kW] | 12.2 |
| Recommend charge/ discharge current [A] | 25 |
| Max. charge/discharge current [A] | 30 |
| Battery roundtrip efficiency | 95% |
| Cycle life [90% DOD] | 6000 Cycles |
| Expected life time / Warranty [year] | 10 |

| | |
|--|----------------------|
| Available charge/discharge temperature range [°C] | -30 to 50 |
| Storage temperature [°C] | -20 to 50 (3 months) |
| Relative humidity [%] | 0~100 |
| Altitude [m] | Below 3000 |
| Degree of protection | IP65 |

| | |
|--|--------------------------------------|
| Battery to Inverter | RS485/CAN2.0 |
| Battery to battery/BMS | CAN2.0 |
| Master control capacity indicator | 4LED (25%, 50%, 75%, 100%) |
| Master control LED indicator (working mode) | 1 LED |
| System switch (on/off) | Button×1+Breaker×1 |
| Certificate | CE/IEC62619/UN38.3/ IEC62040/UKCA |
| Hazardous materials classification | Class 9 |

| | |
|------------------------|---|
| Dimensions(W×H×D) [mm] | MC0600: 482.5 × 173.5 × 153 HV10230: 482.5 × 471.5 × 153 |
|------------------------|---|

| | |
|-----------------|---|
| Net weight [kg] | MC0600: 7.5kg + (4 × HV10230): 138kg |
|-----------------|---|

MC0600*

HV10230*



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

* MC0600:Master Box (one MC0600 can be connected 1~4 HV10230)

* HV10230:Slave Battery Pack

* Max charge/discharge current may be variant with different inverter models