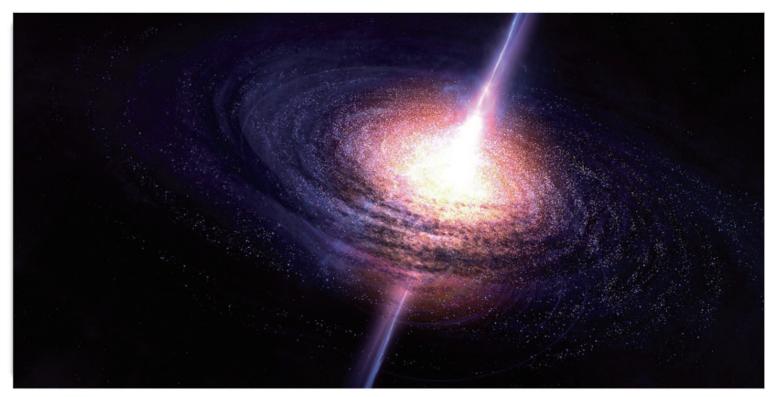
# XTRA POWER LiFePO4 HV-61K-MAX





#### Convenient

Quick installation, standard of 19-inch embedded designed module is comfortable for installationand maintenance.

## ♦ Safe and reliable

Cathode material is made from LiFePO4 with safety performance and long cycle life, The module has less self-discharge, up to 6 months without charging it on shelf, no memory effect, excellent performance of shallow charge and discharge.

## Intelligent BMS

It has protection functions including over-discharge, over-charge, over-cu rrent and over-high or low temperature. The systemcan automatically manage charge and discharge state and balance current and voltage of each cell.

#### Eco-friendly

The whole module is non-toxic, non-polluting and environmentally friendly.

#### • Flexible configuration

Multiple battery modules can be in parallel for expanding capacity and power. Support USB upgrade, wifi upgrade (optional), remote upgrade (Compatible with Deye inverter).

### Wide temperature

Working temperature range is from -20°C to 55°C, with excellent discharge performance and cycle life.

## **Technical Data**

| Main Parameter                           |                        |  |                            |                             |
|--|------------------------|--|----------------------------|-----------------------------|
| Cell Chemistry                           |                        | LiFePO4  |                            |                             |
| Module Energy (kW)                       |                        | 5.12   |                            |                             |
| Module Nominal Voltage (V)               |                        | 51.2   |                            |                             |
| Module Capacity (Ah)                     |                        | 100  |                            |                             |
| Battery Module Qty in series. (Optional) |                        | 4<br>(Min)   | 8<br>(Standard US Cluster) | 12<br>(Standard EU Cluster) |
| System Nominal Voltage (V)               |                        | 204.8  | 409.6                      | 614.4                       |
| System Operating voltage (V)             |                        | 180~230  | 359~460                    | 537.6~691.2                 |
| SystemEnergy (kWh)                       |                        | 20.48  | 40.96                      | 61.44                       |
| SystemyUsable Energy (kWh)               |                        | 18.5   | 36.86                      | 55.29                       |
| Charge/Discharge<br>Current (A)          | Recommend              | 50   |                            |                             |
|  | Max                    | 100  |                            |                             |
|  | Peak<br>(2 mins, 25°C) | 125  |                            |                             |
| Working Temperature (°C)                 |                        | Charge: 0~55/Discharge: -20~55                                     |                            |                             |
| Status Indicator                         |                        | Yellow: Battery High Voltage Power On<br>Red: Battery System Alarm |                            |                             |
| Communication Port                       |                        | CAN2.0/RS485   |                            |                             |
| Humidity                                 |                        | 5~85%RH  |                            |                             |
| Altitude                                 |                        | ≤2000 m  |                            |                             |
| IP Rating of Enclosure                   |                        | IP20   |                            |                             |
| Dimension (W/D/H,mm)                     |                        | 540*590*1650   |                            | 540*590*2250                |
| Weight Approximate (kg)                  |                        | 242  | 410                        | 430                         |
| Installation Location                    |                        | Rack Mounting  |                            |                             |
| Storage Temperature (°C)                 |                        | 0~35   |                            |                             |
| Recommend Depth of Discharge             |                        | 90%  |                            |                             |
| Cycle Life (Charge/Discharge)            |                        | 25±2°C, 0.5C/0.5C, EOL70%≥6000                                     |                            |                             |
| Warranty                                 |                        | 10 years   |                            |                             |
| Certification                            |                        | CE/IEC62619 / UL1973 / UL9540A / UN38.3                            |                            |                             |

- [1] DC Usable Energy, test conditions: 90% DOD, 0.5C charge & discharge at 25°C. System usable energy may vary due to system configuration parameters.
- [2] The current is affected by temperature and SOC.



