

# V-TAC

Meaningful Innovation.

## 5.12kWhx12 61.44kWh LiFePO4 BATTERY

**10** YEAR  
WARRANTY

### ◆ CONVENIENT

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

### ◆ SAFEANDRELIABLE

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.

### ◆ INTELLIGENTBMS

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

### ◆ ECOFRIENDLY

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 up grade(Compatible with Deye inverter).

### ◆ WIDE TEMPERATURE

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



### LISTING DETAILS

SKU Code: **11862**

EAN Code: **3800170217546**

### MAIN PARAMETER

Cell Chemistry	LiFePO4	
Module Energy(kWh)	5.12	
Module Nominal Voltage (V)	51.2	
Module Capacity (Ah)	100	
Battery Module Qty in series.	12 (Standard EU Cluster)	
System Nominal Voltage (V)	614.4	
System Operating Voltage (V)	499.2~700	
System Energy (kWh)	61.44	
System Usable Energy (kWh) <sup>1</sup>	55.29	
Charge/Discharge Current(A) <sup>2</sup>	Recommend	50
	Nominal	100
	Peak Discharge 2 mins, 25°C	125
Working Temperature(°C)	Charge: 0~55/Discharge: -20~55	
Status Indicator	Yellow: Battery High Voltage Power On Red: Battery System Alarm	
Communication Port	CAN2.0/RS485	
Humidity	5~85%RH	
Altitude	≤2000m	
IP Rating of Enclosure	IP20	
Dimension (W/D/H,mm)	589x590x2240	
Weight Approximate (kg)	628	
Installation Location	Rack Mounting	
Storage Temperature(°C)	0~35	
Recommend Depth of Discharge	90%	
Cycle Life	25±2°C, 0.5C/0.5C, EOL70%≥6000	
Warranty <sup>3</sup>	10years	
Certification	CE/IEC62619/UL1973/UL9540A/UN38.3	

1- DC Usable Energy, test conditions: 90% DOD, 0.2C charge & discharge at 25OC. System usable energy may vary due to system configuration parameters.

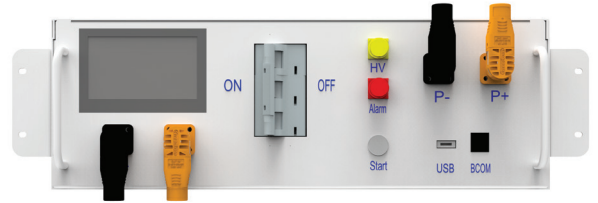
2- The current is affected by temperature and SOC.

3- The warranty is due whichever reached first of warranty period or life cycle power.

## HIGH VOLTAGE BATTERY CLUSTER CONTROL BOX

SKU Code: **11863**  
EAN Code: **3800170217553**

Operating Voltage	120~750Vdc
Nominal Charge/Discharge Current	100A
Max .Charge/Discharge Current	125A
DC Input Rating	12±2%V/4.15A
Operating Temperature Range	-20~65°C
Ingress Protection	IP20
Dimension (W/D/H)	440x570x150mm
Weight Approximate	15.5k



## 5M POWER CABLE CONNECTED TO THE POSITIVE POLE OF THE EXTERNAL PCS(1000V/4AWG CABLE)

SKU Code: **11864**  
EAN Code: **3800170217560**



## 5M POWER CABLE CONNECTED TO THE NEGATIVE POLE OF THE EXTERNAL PCS (1000V/4AWG CABLE)

SKU Code: **11865**  
EAN Code: **3800170217577**



## 5M COMMUNICATION CABLE CONNECTED TO THE EXTERNAL DEVICE

SKU Code: **11866**  
EAN Code: **3800170217584**



## 19INCH RACK, CAN INSTALL 12 PCS BATTERIES AND 1 PC HIGH VOLTAGE BATTERY CLUSTER CONTROL BOX

SKU Code: **11867**  
EAN Code: **3800170217591VA**

