



**MIKO ENERGY**



## **STACK-MOUNTED**

Battery Storage System  
High Voltage

**5.12 kWh - 35.84 kWh**



# TECHNICAL SPECS

## MODEL

PowerCool-LFP-HV2

|                             |   |                                      |                                      |                                      |                                       |                                       |
|-----------------------------|---|--------------------------------------|--------------------------------------|--------------------------------------|---------------------------------------|---------------------------------------|
| Battery type                | LFP   |                                      |                                      |                                      |                                       |                                       |
| Number of connection        | 2pcs  | 3pcs                                 | 4pcs                                 | 5pcs                                 | 6pcs                                  | 7pcs                                  |
| Total energy                | 10.24kWh  | 15.36kWh                             | 20.48kWh                             | 25.6kWh                              | 30.72kWh                              | 35.84kWh                              |
| Usable energy               | 9.72kWh   | 14.59kWh                             | 19.45kWh                             | 24.32kWh                             | 29.18kWh                              | 34.04kWh                              |
| Max.parallel strings        | 8P  |                                      |                                      |                                      |                                       |                                       |
| Voltage                     | 102.4V  | 153.6V                               | 204.8V                               | 256V                                 | 307.2V                                | 358.4V                                |
| Nominal charging voltage    | 115.2V  | 172.8V                               | 230.4V                               | 288V                                 | 345.6V                                | 403.2V                                |
| Max. charging current       | 50A   |                                      |                                      |                                      |                                       |                                       |
| Nominal discharging current | 50A   |                                      |                                      |                                      |                                       |                                       |
| Discharge cut-off voltage   | 89.6V   | 134.4V                               | 179.2V                               | 224V                                 | 268.8V                                | 313.6V                                |
| Battery efficiency          | 95%   |                                      |                                      |                                      |                                       |                                       |
| Battery Protection          | Over-current/Over-voltage/Short-circuit/Under-voltage/Over temperature        |                                      |                                      |                                      |                                       |                                       |
| Maximum recommended DOD     | 95%   |                                      |                                      |                                      |                                       |                                       |
| Communication               | CAN,RS485   |                                      |                                      |                                      |                                       |                                       |
| IP rating                   | IP66  |                                      |                                      |                                      |                                       |                                       |
| Operating temperature       | 0~55℃   |                                      |                                      |                                      |                                       |                                       |
| Altitude                    | ≤5,000m   |                                      |                                      |                                      |                                       |                                       |
| Humidity                    | 5%~95%  |                                      |                                      |                                      |                                       |                                       |
| Warranty                    | 10 years (5 free warranty + 5 paid warranty)                                  |                                      |                                      |                                      |                                       |                                       |
| Dimension                   | (660±2)<br>* (390±2)<br>* (515±3) mm  | (660±2)<br>* (390±2)<br>* (665±3) mm | (660±2)<br>* (390±2)<br>* (815±7) mm | (660±2)<br>* (390±2)<br>* (965±9) mm | (660±2)<br>* (390±2)<br>* (1115±9) mm | (660±2)<br>* (390±2)<br>* (1265±9) mm |
| Net weight                  | (117±2)kg   | (152±4)kg                            | (197±6)kg                            | (242±8)kg                            | (287±8)kg                             | (332±8)kg                             |
| Certificates                | CE-EMC,IEC62619,IEC62477,IEC62040,IEC62100,IEC60068-2-52,IEC60730,UN38.3,MSDS |                                      |                                      |                                      |                                       |                                       |
| Installation                | Stacked Installation  |                                      |                                      |                                      |                                       |                                       |

## Safety

LFP Battery, Intelligent BMS and protective hardware providing complete protection

## Accuracy

Dynamic SOC calibration

## Compatibility

Suitable for most mainstream inverters

## Easy Installation

Scalable up to 56 packs

## Durability

6,000 cycles at 95% DOD

## Certificates

IEC62619, IEC63056, IEC62477-1, IEC60730, UN38.3, MSDS, IEC61000, IEC62040