

# Max. 10 in parallel (Hybrid)

## Hybrid ESS Integrated MPPT and GEN Port



Hybrid Inverter + LiFePO4 Battery  
+ MPPT + Generator Port



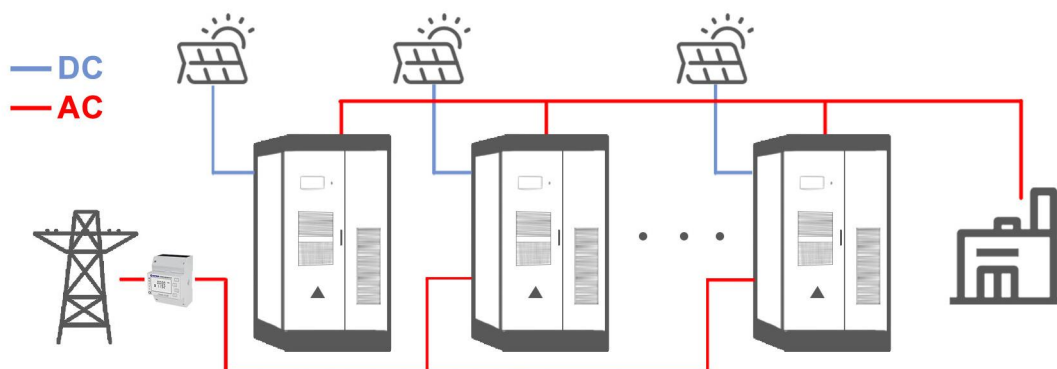
Integrated  
BMS/ PCS/ EMS



Integrated fire protection  
and Air-conditioner



Automotive  
grade process



|                          | Model                     | LVFU-100KWH-50KH3M-HA1          |
|--------------------------|---------------------------|---------------------------------|
| <b>Battery</b>           | Battery Type              | LiFePO4 Battery                 |
|                          | Rated Energy              | 100KWh                          |
|                          | Number of Slaver Module   | 10                              |
|                          | Rated Capacity            | 200Ah                           |
|                          | Nominal Voltage           | 512V                            |
|                          | Max. Charge Voltage       | 576V                            |
|                          | Cut-off Discharge Voltage | 435V                            |
|                          | Max. Charge Current       | 200A                            |
|                          | Max. Discharge Current    | 200A                            |
|                          | Main Function             | OVP/UVP/OTP/OCP/SCP/IDP/BL etc. |
| <b>PV</b>                | Max. PV Voltage           | 1000Vdc                         |
|                          | MPPT Voltage Range        | 300~850Vdc                      |
|                          | Max. PV Current           | 35A+35A+35A                     |
|                          | MPPT String               | 3                               |
| <b>On-grid</b>           | Rated Power               | 50KW                            |
|                          | Rated Voltage             | 400Vac/230Vac (L1/L2/L3/N/PE)   |
|                          | Rated Frequency           | 50Hz/60Hz                       |
|                          | Max. AC Current           | 75A                             |
|                          | THDi                      | <3%                             |
| <b>Off-grid</b>          | Rated Power               | 50KW                            |
|                          | Rated Voltage             | 400Vac/230Vac (L1/L2/L3/N/PE)   |
|                          | Rated Frequency           | 50Hz/60Hz                       |
|                          | Max. AC Current           | 75A                             |
|                          | Parallel                  | Max. 2                          |
| <b>General Parameter</b> | Communication             | RS485/WiFi                      |
|                          | Fire Protection           | Aerosol and Perfluorohexanone   |
|                          | Cooling Mode              | Air Conditioner                 |
|                          | IP Grade                  | IP54                            |
|                          | Altitude                  | <2000m                          |
|                          | Work Temperature          | —10℃~50℃                        |
|                          | Size/mm                   | 1100*1000*1850                  |
|                          | Weight/kg                 | 1400 (about)                    |

\*THE PARAMETERS ARE FOR REFERENCE ONLY, THE ACTUAL PRODUCT SHALL PREVAIL, SUPPORT CUSTOMIZATION, AND ON-DEMAND CUSTOMIZATION