

## HV Stacked Residential Energy Storage Matrix

MESS-HV16.13K/21.5K/26.88K/32.26K/37.63K/43K

- **High Safety**

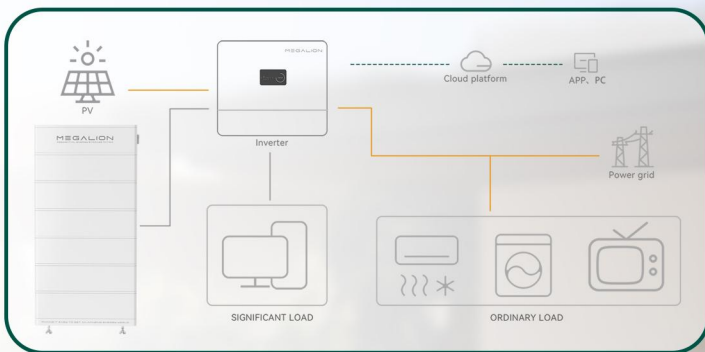
Cutting-edge hybrid electrolyte solid-state LFP

- **Flexible scalability**

Stacked design, support maximum 8 packs

- **Ultra-Intelligence**

Big data plus AI help to predict power charge/discharge



MESS-HV16.13K/21.5K/26.88K/32.26K/37.63K/43K uses advanced Hybrid Electrolyte Solid State LFP, battery capacity of 120Ah, not only has a long life, but also has the dual guarantee of high efficiency and safety. Stacked design, support maximum 8 packs, With a storage capacity of up to 43kWh and a wide system voltage range, which can flexibly adapt to various residential electricity needs.

### USAGE SCENARIO



Villa



Residential



Farm



Nomadic area



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| Product Model                | MESS-HV16.13K                                        | MESS-HV21.5K  | MESS-HV26.88K | MESS-HV32.26K | MESS-HV37.63K | MESS-HV43K    |
|------------------------------|------------------------------------------------------|---------------|---------------|---------------|---------------|---------------|
| Electrical Parameter         |                                                      |               |               |               |               |               |
| Battery Chemistry            | Hybrid Electrolyte Solid State LFP                   |               |               |               |               |               |
| Battery Capacity             | 120Ah                                                | 120Ah         | 120Ah         | 120Ah         | 120Ah         | 120Ah         |
| System Configuration         | 1P42S                                                | 1P56S         | 1P70S         | 1P84S         | 1P98S         | 1P112S        |
| Total Energy                 | 16.13kWh                                             | 21.5kWh       | 26.88kWh      | 32.26kWh      | 37.63kWh      | 43kWh         |
| Nominal Voltage              | 134.4V                                               | 179.2V        | 224V          | 268.8V        | 313.6V        | 358.4V        |
| Voltage Range                | 119.7~150.36V                                        | 159.6~200.48V | 199.5~250.6V  | 239.4~300.72V | 279.3~350.84V | 319.2~400.96V |
| Max.Charge/Dischargecurrent  | 100A                                                 | 100A          | 100A          | 100A          | 100A          | 100A          |
| Cycle Life                   | ≥6000 cycles@25±2°C 0.5P 70%DOD                      |               |               |               |               |               |
| Communication Interface      | CAN                                                  |               |               |               |               |               |
| Monitoring Type              | Wifi/4G(Optional)                                    |               |               |               |               |               |
| General Parameter            |                                                      |               |               |               |               |               |
| Size(W*D*H)mm                | 600*423*763                                          | 600*423*933   | 600*423*1103  | 600*423*1273  | 600*423*1443  | 600*423*1613  |
| Weight                       | ≤160kg                                               | ≤205kg        | ≤250kg        | ≤295kg        | ≤340kg        | ≤385kg        |
| Installation Method          | Outdoor/Indoor;Floor Mounted                         |               |               |               |               |               |
| Certification                | IEC62619;IEC60730-1;IEC/EN62477;IEC62040-1;CE;UN38.3 |               |               |               |               |               |
| Environment Parameter        |                                                      |               |               |               |               |               |
| IP Ingress Protection        | IP65                                                 |               |               |               |               |               |
| Humidity                     | 0~90%RH(No condensation)                             |               |               |               |               |               |
| Best Environment Temperature | Charge 0~45°C Discharge -25~45°C                     |               |               |               |               |               |
| Storage Temperature Range    | -20°C~35°C                                           |               |               |               |               |               |
| Altitude                     | ≤2000m                                               |               |               |               |               |               |



Jiangsu Megalion Energy Storage Integration Technology Co., Ltd.  
Tel: +86 13381683807  
Website: [www.megalion.cn](http://www.megalion.cn)  
Email: [meg.wang@megalion.cn](mailto:meg.wang@megalion.cn)