# MECC Rack
## High Voltage Lithium Battery
204.8V-768V 314Ah

### High-Efficiency Use
- Low self-discharge up to 6 months, no memory effect

### Flexible Expansion
- Support 3 ~ 15 packs in series

### Intelligent BMS
- Multi protection functions including over-discharge, over-charge, over-current and over-high or low temperature
- Automatically manage charge and discharge state and balance current and voltage of each cell

### Safe and Reliable
- LiFePO4 Batteries with safety performance and long cycle life
- Intelligent BMS
- Support aerosol fire extinguishing
- Support up to 140A current output

### Support Wifi&Upgrade
- Wi-Fi module, real-time data monitoring
- Support USB upgrade, remote upgrade

### Economical&Convenient
- Rack Type, less footprint, lower cost, higher spaceutilization
- Embedded designed module for quick installation and easy maintenance

**Application scenarios**

House | Farm | Telecom | Countryside | Island | Pasture

| MODEL | MECC-43K-314 | MECC-57K-314 | MECC-71K-314 | MECC-86K-314 | MECC-100K-314 | MECC-114K-314 |
|---|---|---|---|---|---|---|
| **SPECIFICATIONS** | | | | | | |
| Product | 153.6V 314Ah | 204.8V 314Ah | 256.0V 314Ah | 307.2V 314Ah | 358.4V 314Ah | 409.6V 314Ah |
| Nominal Voltage | 153.6V | 204.8V | 256.0V | 307.2V | 358.4V | 409.6V |
| Nominal Capacity | 314Ah | 314Ah | 314Ah | 314Ah | 314Ah | 314Ah |
| Dimension Module(mm) | 483*245*792*3 | 483*245*792*4 | 483*245*792*5 | 483*245*792*6 | 483*245*792*7 | 483*245*792*8 |
| Dimension Rack(mm) | 575*800*1250 | 575*800*1530 | 575*800*1800 | 1080*800*1250 | 1080*800*1250 | 1080*800*1530 |
| Weight(kg) | 396 | 530 | 665 | 795 | 930 | 1060 |
| Nominal Capacity(kWh) | 43 | 57.3 | 71.6 | 86.01 | 100.3 | 114.6 |
| Discharge Cut-off Voltage(V) | 132 | 176 | 220 | 264 | 308 | 352 |
| Charge Cut-off Voltage(V) | 170.4 | 227.2 | 284 | 340.8 | 397.6 | 454.4 |
| Recommend Charge/Discharge Current(A) | 100 | 100 | 100 | 100 | 100 | 100 |
| Max. Charge/Discharge Working Current(A) | 200 | 200 | 200 | 200 | 200 | 200 |
| Communication | RS485/RS232/CAN | | | | | |
| Working Temperature | 0° C~50° C Charge -10° C~50° C Discharge | | | | | |
| Transport or Storage Temperature Range | -20° C~60° C | | | | | |
| Certification | CE/IEC/UL/UN38.3/MSDS | | | | | |
| Design Life | 15 years+ | | | | | |
| Cycle Life | (0.5C/0.5C-80% DOD) >6000 times | | | | | |
| Series Function | Support 16 units in series | | | | | |
| Certification | UN38.3/MSDS/ROHS | | | | | |

| MODEL | MECC-129K-314 | MECC-143K-314 | MECC-157K-314 | MECC-172K-314 | MECC-186K-314 | MECC-200K-314 |
|---|---|---|---|---|---|---|
| **SPECIFICATIONS** | | | | | | |
| Product | 460.8V 314Ah | 512V 314Ah | 563.2V 314Ah | 614.4V 314Ah | 665.6V 314Ah | 716.8V 314Ah |
| Nominal Voltage | 460.8V | 512V | 563.2V | 614.4V | 665.6V | 716.8V |
| Nominal Capacity | 314Ah | 314Ah | 314Ah | 314Ah | 314Ah | 314Ah |
| Dimension Module(mm) | 483*245*792*9 | 483*245*792*10 | 483*245*792*11 | 483*245*792*12 | 483*245*792*13 | 483*245*792*14 |
| Dimension Rack(mm) | 1080*800*1530 | 1080*800*1800 | 1080*800*1800 | 1655*800*1530 | 1655*800*1530 | 1655*800*1530 |
| Weight(kg) | 1195 | 1327 | 1460 | 1593 | 1726 | 1860 |
| Nominal Capacity(kWh) | 129 | 143.3 | 157.6 | 172 | 186.3 | 200.7 |
| Discharge Cut-off Voltage(V) | 396 | 440 | 484 | 528 | 572 | 616 |
| Charge Cut-off Voltage(V) | 511.2 | 568 | 624.8 | 681.6 | 738.4 | 795.2 |
| Recommend Charge/Discharge Current(A) | 100 | 100 | 100 | 100 | 100 | 100 |
| Max. Charge/Discharge Working Current(A) | 200 | 200 | 200 | 200 | 200 | 200 |
| Communication Interface | RS485/RS232/CAN | | | | | |
| Working Temperature | 0° C~50° C Charge -10° C~50° C Discharge | | | | | |
| Transport or Storage Temperature Range | -20° C~60° C | | | | | |
| Certification | CE/IEC/UL/UN38.3/MSDS | | | | | |
| Design Life | 15 years+ | | | | | |
| Cycle Life | (0.5C/0.5C-80% DOD) >6000 times | | | | | |
| Series Function | Support 16 units in series | | | | | |
| Certification | UN38.3/MSDS/ROHS | | | | | |