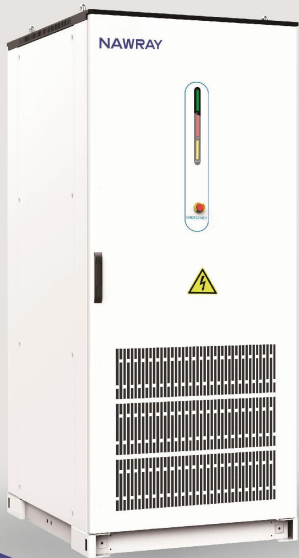


NAWRAY

FULL LIQUID COOLING  
CABINETT

Enerwow-M261



ECONOMICAL AND EFFICIENT

STANDARD MODULAR DESIGN, HIGHLY INTEGRATED, PACK TEMPERATURE DIFFERENCE ≤3°C, STABLE AND EFFICIENT BATTERY AC SIDE CONVERSION EFFICIENCY≥90%, WHOLE CABINET 261KVH ULTRA-LARGE CAPACITY AC/DC INTEGRATED DESIGN, AC DIRECT OUTPUT, EASY AND FAST TO USE



ULTIMATE SAFETY

SYSTEM PARTITION DESIGN, PROTECTION ISOLATION ONLINE INSULATION DETECTION, MULTI-LEVEL FUSE LINKAGE PROTECTION 3-LEVEL FIRE PROTECTION DESIGN, ULTIMATE SAFETY MANAGEMENT



FLEXIBLE AND CONVENIENT

BATTERIES AND PCS ARE FULLY LIQUID- COOLED, WITH EXTREME VOLUME, HIGH ENERGY DENSITY, AND SMALL FOOT- PRINT, WHICH CAN SAVE 40% OF CONSTRUCTION AREA MODULAR DESIGN, UP TO 10 CABINETS IN PARALLEL, FLEXIBLE CONFIGURATION, DECENTRALIZED DEPLOYMENT, AND EFFICIENT COLLABORATION



INTELLIGENT OPERATION AND MAINTENANCE

EQUIPPED WITH TWO-WAY CUT-OFF HEAD, FAST MAINTENANCE WITH LIQUID 3S FULL-RANGE MONITORING, REAL-TIME SIGNAL TRANSMISSION, REAL-TIME STORAGE OF OPERATION DATA, REMOTE CONTROL, AND IMPROVED OPERATION AND MAINTENANCE EFFICIENCY

PRODUCT SPECIFICATIONS

| VERSION                                | Enerwow-M261   |
|--|--|
| Communication measurement parameters   |  |
| power rating                           | 125kW  |
| Rated grid power supply                | AC 400V  |
| Communication access mode              | 3/N/PE   |
| Power grid frequency range             | 50/60Hz  |
| Power grid voltage range               | -10% ~ +15%  |
| Current total harmonic distortion rate | Vacation≤3% full load                                      |
| power factor                           | 0.99~1~1   |
| DC measurement parameters              |  |
| Installed energy                       | 261.25kWh  |
| rated voltage                          | DC 832V  |
| DC rated current                       | 157A   |
| Maximum DC power                       | 137kW  |
| system parameter                       |  |
| energy efficiency                      | ≥90% at the rated condition                                |
| operating ambient temperature          | -30°C ~+60°C   |
| Allow relative humidity                | ≤95%, no condensation                                      |
| noise                                  | ≤75dB  |
| cooling-down method                    | full liquid cooling  |
| fire extinguisher system               | Level 3 fire fighting                                      |
| levels of protection                   | IP54   |
| Altitude                               | ≤2000 meters, more than 2000 meters need to reduce the use |
| weight                                 | ≈2.5T  |
| Communication interface                | Ethernet、RS485   |
| Communicating protocol                 | MODBUS TCP、MODBUS RTU                                      |
| Outline dimension(D*W*H)               | 1300*1000*2350mm   |

THE ABOVE PARAMETERS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE AND THE ACTUAL PRODUCT SHALL PREVAIL.



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product specification

| product model                               | Enerwow-M81   | Enerwow-M102 | Enerwow-M122 |
|---|---|--------------|--------------|
| Battery system                              |   |              |              |
| Cell mode                                   | 100Ah   | 100Ah        | 100Ah        |
| burst mode                                  | 1P16S*8S*2P   | 1P16S*10S*2P | 1P16S*12S*2P |
| rated voltage                               | 409.6V  | 512V         | 614.4V       |
| rated energy                                | 81.92kWh  | 102.4kWh     | 122.88kWh    |
| voltage range                               | 358.4~460.8V  | 448~576V     | 537.6~691.2V |
| cycle life                                  | ≥6,000 times (@ 25±2°C, 0.5C/0.5C, 100%DOD, 70%EOL) |              |              |
| cooling-down method                         | Intelligent air cooling                             |              |              |
| Grid-connected parameters                   |   |              |              |
| Rated power grid voltage                    | 400Vac, 3P4W  |              |              |
| Rated power grid frequency                  | 50Hz/60Hz   |              |              |
| power rating                                | 40kVA   | 50kVA        | 60kVA        |
| THDi  | <3%   |              |              |
| power factor                                | -1~1, which is continuously adjustable              |              |              |
| Off-grid parameters                         |   |              |              |
| And automatically switch off of the network | possess   |              |              |
| Rated output voltage                        | 400Vac, 3P4W  |              |              |
| Maximum output                              | 40kVA   | 50kVA        | 60kVA        |
| power factor                                | -1~1, which is continuously adjustable              |              |              |
| General parameters                          |   |              |              |
| ambient temperature                         | -20~50°C  |              |              |
| communication mode                          | Ethernet  |              |              |
| size (W*D*H)                                | 2289*1216*2200mm                                    |              |              |
| weight                                      | 2640kg  | 2720kg       | 2900kg       |
| levels of protection                        | IP55  |              |              |
| identification                              | IEC62619, IEC62477, IEC61000                        |              |              |

The above parameters are subject to change without prior notice, and the actual product shall prevail.

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NAWRAY

Enerwow-M122

Outdoor integrated industrial  
and commercial energy storage  
system  
energy bank



## Enerwow-M122

Enerwow-M122 outdoor integrated industrial and commercial energy storage cabinet adopts the "all-in-one" integration concept, integrating energy storage batteries, battery management systems, energy storage inverters, energy management systems, automatic transfer switches and other equipment into the cabinet. It is aimed at small industrial and commercial scenarios such as villa complexes, industrial and commercial buildings, and island areas, providing high-performance, long-life, and high-safety energy storage solutions.



## Integrated and intelligent

Enerwow-M122 outdoor integrated industrial and commercial energy storage cabinet has been comprehensively upgraded in design concept, safety protection, system management and operation and maintenance. It can be installed and used outdoors to meet users' needs for peak shaving, new energy consumption, backup power supply and other functions.



### Highly integrated

- Standard module embedded design
- Integrated energy storage converter, lithium battery system, energy management system, fire protection system, etc.



### Intelligent operation and maintenance

- Equipped with a visual panel, energy storage data is displayed at a glance. Clearly, check the operating status at any time
- Built-in EMS, supports multiple operating mode selection



### Safe and reliable

- CATL lithium iron phosphate square aluminum shell battery, ensures an ultra-long service life of more than 10 years
- Excellent battery management system ensures stable system operation



### Flexible layout

- Modular design can meet the energy storage configuration requirements of 81.92kWh to 122.88kWh
- IP55 high protection level, indoor and outdoor installation
- Free choice



## Smart management, clear operation data



## Global authoritative certification

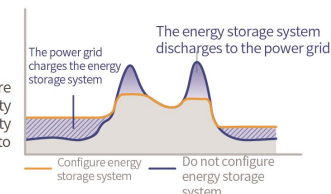
The product has passed the global mainstream certification and complies with IEC, CE and other standards.



## Typical Applications

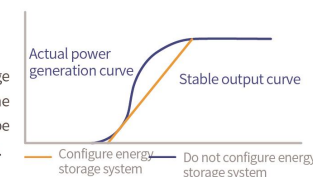
### Peak shaving and valley filling

Use energy storage systems to store electricity during periods of low electricity prices, and use the stored electricity during periods of high electricity prices to reduce electricity usage costs.



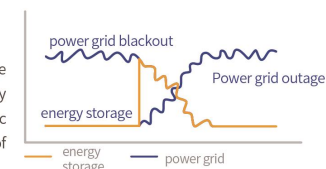
### New energy consumption

By combining battery energy storage systems with renewable energy, the randomly changing output power can be converted into a relatively stable output.



### Emergency reserve

When power is interrupted, it can provide uninterrupted short-term power supply to important loads to reduce economic losses caused by sudden power failure of loads.



Low-carbon and high-yield solutions can be created for different application scenarios, making the source of every kilowatt-hour of electricity greener, making the destination of every kilowatt-hour of electricity more valuable, and building a new zero-carbon ecology.