



### PRODUCT DESCRIPTION

The EnerMax-EB is a series of high-voltage energy storage products specially developed by COSLINK for household PV systems. It takes lithium iron phosphate batteries as the core and is equipped with the battery optimizer and high-performance battery management system (BMS), ensuring high energy density, long cycle life and improved compatibility. This product support for voltages ranging from 350VDC to 850VDC, which makes it compatible with different kinds of high-voltage single-phase or triple-phase inverters. Based on the application requirements of home energy storage batteries, the product is uniquely designed and innovated in compatibility, energy density, power density, safety, operability and product appearance, bringing users an excellent energy storage application experience.



### APPLICATION SCENARIOS

- Newly installed PV energy storage systems
- PV system retrofit for senergy storage systems
- Application in off-grid or no-power areas



### FEATURES

- More than 15 years of designed lifetime
- Modular design, high energy density
- Integrated with two-level dual-directional battery optimizer for improved active balancing
- Support for parallel-connection operation (Max. 10 modules, Max. capacity 150 kWh)
- Support for continuous maximum 1C charge and discharge
- Light and slim design for easy wall-mounting, saving installation area
- Elegant household appliance style appearance
- Highly compatible BMS (with the protocol compatible with many well-known branded energy storage inverters)
- Safety certification: TUV, CE, UN38.3, etc.



### PRODUCT PARAMETERS

|                 |                        | HENB5K5  | HENB5K10        | HENB5K15        |
|-----------------|------------------------|--|-----------------|-----------------|
| Battery<br>Pack | Rated Voltage          | 51.2V  |                 |                 |
|                 | System Output Voltage  | 400V (360~425V)/800V (720~850V)                |                 |                 |
|                 | System CHG/DCG Current | 12.5A@400V/6.25A@800V                          |                 |                 |
|                 | Battery Material       | LFP  |                 |                 |
|                 | Rated Energy           | 5 kWh  | 10 kWh          | 15 kWh          |
|                 | Cycle Life             | > 6000 times @80%DOD, remaining capacity > 70% |                 |                 |
|                 | Communication          | RS485, RS232, and CAN2.0                       |                 |                 |
|                 | Protective Function    | OV, UV, OP, UP, OC, and SC                     |                 |                 |
|                 | Breaker                | Oil damped DC circuit breaker                  |                 |                 |
|                 | Parallel Connection    | Max. 10 pcs connected in parallel              |                 |                 |
| System          | Noise                  | < 38 dB  |                 |                 |
|                 | HIM                    | WiFi+APP/LED                                   |                 |                 |
|                 | Operation Temperature  | 0~45 °C  |                 |                 |
|                 | Cooling Method         | Forced air cooling                             |                 |                 |
|                 | Relative Humidity      | 0~90% RH (non-condensing)                      |                 |                 |
|                 | Altitude               | ≤1000m (-1%/100m)                              |                 |                 |
|                 | IP Grade               | IP20   |                 |                 |
|                 | Installation           | Stand alone/wall-mounted                       |                 |                 |
|                 | Dimensions [W*H*D]     | 600*740*140 mm                                 | 600*1182*140 mm | 600*1620*140 mm |
|                 | Weight                 | 50 kg  | 105 kg          | 160 kg          |