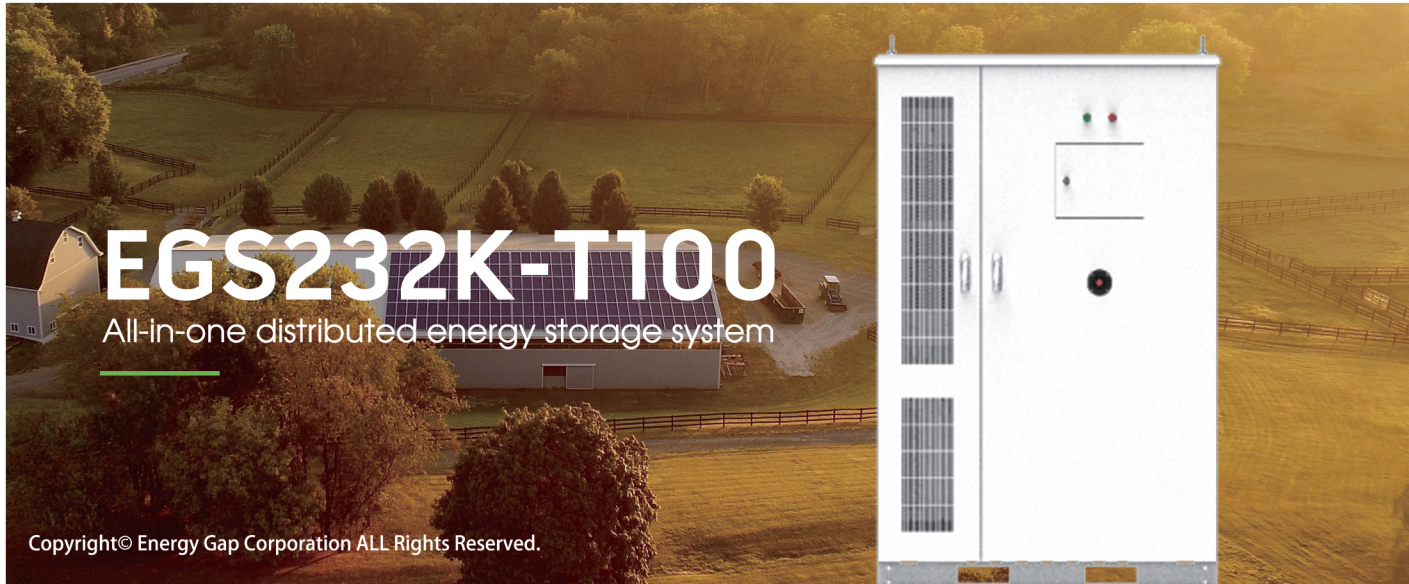


## ALL-IN-ONE DISTRIBUTED ENERGY STORAGE SYSTEM

### EGS232K-T100

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#### Product Features:

The EGS series product is a distributed all-in-one machine designed by Energy Gap for medium-scale industrial and commercial energy storage needs. The product adopts a liquid cooling solution, which greatly improves the safety and reliability of the battery, and provides a Higher return on investment.

EGS system meets the needs of medium-sized industrial parks, resorts, and supermarkets, etc.

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#### Safety

Tier – 1 battery with system management of each cell

Liquid cooling solution ensures the safety and reliability of the batteries

#### Reliable & flexible

Support multi-machine parallel connection, up to 16 units in parallel

Flexible layout on the site and easy to extend during life time

From 100kW/232KWh to 1.6MW/3.7MWh power supply

#### System overview and Remote control

Battery state of charge / present power consumption, etc

Monitor the hybrid system from anywhere

Remote control feature is also available

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## Technical Parameters:

| Technical Parameters                       | EGS232K-T100                              |
|--|---|
| <b>AC Side (Grid)</b>                      |   |
| AC Output Power                            | 100 KVA @ 45°C                            |
| Max AC Current                             | 160 A                                     |
| Nominal AC Voltage / Range                 | 400 V / 230 V (-20% ~ 15%)                |
| Nominal Grid Frequency / Range             | 50Hz / 47Hz ~ 52Hz 60Hz / 57Hz ~ 62Hz     |
| Harmonic (THD)                             | < 3 % ( at nominal power )                |
| Power Factor at Nominal Power / Adjustable | - 1 ~ 1                                   |
| <b>AC Side (Micro-Grid)</b>                |   |
| Nominal AC Voltage                         | 400 V / 230 V                             |
| Harmonic (THD)                             | < 1 % ( resistance load )                 |
| Unbalanced Three Phase Load                | 1   |
| Nominal Frequency / Range                  | 50Hz / 45Hz ~ 55Hz 60Hz / 55Hz ~ 65Hz     |
| Max AC Power                               | 125 KW                                    |
| <b>Batteries</b>                           |   |
| Nominal Battery Voltage                    | 832 VDC                                   |
| Battery Cell Type                          | LiFePO4 3.2 V / 280 Ah                    |
| Battery Pack Configuration                 | 1P52S / 46.59 KWh                         |
| Battery System Configuration               | 1P260S                                    |
| Rated System Capacity                      | 232.96 KWh                                |
| Battery Voltage Range                      | 728 - 936 VDC                             |
| Maximum Charging / Discharging Current     | 140 A                                     |
| Battery Disconnect                         | Integrated                                |
| <b>Normal Parameters</b>                   |   |
| Dimension W * D * H                        | 1360 * 1368 * 2092 mm                     |
| Degree of Protection                       | IP54                                      |
| SPD  | DC TYPE II / AC TYPE II                   |
| Fire Protection System                     | Aerosol / Perfluorhexone / Water Optional |
| Allowed Ambient Temperature                | -30 ~ 60 ° C (> 45 ° C Derating)          |
| Allowed Relative Humidity                  | 0 ~ 100%                                  |
| Lifting Options                            | Fork / Crane                              |
| <b>Monitoring</b>                          |   |
| Diaplay                                    | 7" Touchscreen LCD                        |
| Communication                              | RS485 / Ethernet                          |
| Remove Control System                      | EG Cloud                                  |