

# Greenworks Power Product Series

Commercial, Industrial and Utility-scale  
Energy Storage Product Portfolio.





# Overseas liquid cooling energy storage system

GESS-L3727-EU-0.5C  
GESS-L3727-US-0.5C  
GESS-L3440-EU-1C

The system highly integrates long-life battery, BMS, thermal management system, safety management system and intelligent power distribution system in a 20 ft standard container, and applies to all kinds of scenarios.

## Scheme Characteristics

-  Safe
-  Reliable
-  High efficiency
-  Support the network construction
-  Fast frequency modulation



# Product Parameters

| PRODUCT MODEL          | GESS-L3727-EU-0.5C                                                                              | GESS-L3727-US-0.5C                                                                              | GESS-L3440-EU-1C                                                                                |
|------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| DC-side Parameters     |                                                                                                 |                                                                                                 |                                                                                                 |
| Cell type              | LFP 3.2V/280Ah                                                                                  | LFP 3.2V/280Ah                                                                                  | LFP 3.2V/280Ah                                                                                  |
| Battery capacity       | 3.727MWh                                                                                        | 3.727MWh                                                                                        | 3.44MWh                                                                                         |
| Voltage range          | 1081.6V - 1497.6V                                                                               | 1081.6V - 1497.6V                                                                               | 1075.2V - 1382.4V                                                                               |
| Grouping mode          | 416S10P                                                                                         | 416S10P                                                                                         | 384S10P                                                                                         |
| Cooling method         | Intelligent liquid cooling                                                                      | Intelligent liquid cooling                                                                      | Intelligent liquid cooling                                                                      |
| Fire protection system | Combustible gas detection + emergency ventilation + aerosol fire fighting + water fire fighting | Combustible gas detection + emergency ventilation + aerosol fire fighting + water fire fighting | Combustible gas detection + emergency ventilation + aerosol fire fighting + water fire fighting |

|                      |                      |                      |                      |
|----------------------|----------------------|----------------------|----------------------|
| AC-side Parameters   |                      |                      |                      |
| Rated power          | 1725kW×2             | 1725kW×2             | 1725kW×2             |
| PCS rated voltage    | 690V                 | 690V                 | 690V                 |
| Current harmonic     | < 3 %                | < 3 %                | < 3 %                |
| Power factor         | -1 - +1              | -1 - +1              | -1 - +1              |
| Type of transformer  | Oil-type transformer | Oil-type transformer | Oil-type transformer |
| Ratio of transformer | 33kV/0.69kV          | 34.5kV/0.69kV        | 33kV/0.69kV          |

|                                   |                                                                            |                                                                   |                                                                                                  |
|-----------------------------------|----------------------------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| System Parameters                 |                                                                            |                                                                   |                                                                                                  |
| Dimensions of battery compartment | 6058×2438×2896mm                                                           | 6058×2438×2896mm                                                  | 6058×2438×2896mm                                                                                 |
| Weight of battery compartment     | 36t                                                                        | 36t                                                               | 36t                                                                                              |
| Dimensions of all-in-one machine  | 6058×2438×2896mm                                                           | 6058×2438×2896mm                                                  | 6058×2438×2896mm                                                                                 |
| Weight of all-in-one machine      | 15t                                                                        | 15t                                                               | 15t                                                                                              |
| Operating temperature range       | -30°C - 50°C                                                               | -30°C - 50°C                                                      | -30°C - 50°C                                                                                     |
| Operating humidity range          | 0% ~ - 100%                                                                | 0% - 100%                                                         | 0% - 100%                                                                                        |
| Protection level                  | IP55                                                                       | IP55                                                              | IP55                                                                                             |
| Maximum operating altitude        | 5000m                                                                      | 5000m                                                             | 5000m                                                                                            |
| Communication protocol            | Modbus TCP, IEC104, IEC61850                                               | Modbus TCP, IEC104, IEC61850                                      | Modbus TCP, IEC104, IEC61850                                                                     |
| Authentication                    | IEC 62619, IEC 63056, IEC61000, IEC 62477-1, IEC62933-5-2, UN3536, UN 38.3 | UL 1973, UL 9540, UL 9540A, FCC part 15B, NFPA69, UN3536, UN 38.3 | IEC 62619, IEC 63056, IEC61000, IEC 62477-1, IEC62933-5-2, FCC part 15B, NFPA69, UN3536, UN 38.3 |



# Overseas liquid cooling energy storage system

GESS-L5016-EU-0.5C  
GESS-L5016-US-0.5C

The system integrates long-life battery, battery management system, thermal management system, active safety management system and intelligent power distribution system and applies to all kinds of scenarios. Several sets of PCS are connected in parallel on the AC side, and this is safe, efficient and intelligent.

## Product Features

-  Safe
-  Reliable
-  High efficiency
-  Support the network construction
-  Fast frequency modulation



# Product Parameters

| PRODUCT MODEL                     | GESS-L5016-EU-0.5C                                                                              | GESS-L5016-US-0.5C                                                                              |
|-----------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| DC-side Parameters                |                                                                                                 |                                                                                                 |
| Cell type                         | LFP 3.2V/314Ah                                                                                  | LFP 3.2V/314Ah                                                                                  |
| Battery capacity                  | 5.016MWh                                                                                        | 5.016MWh                                                                                        |
| Voltage range                     | 1081.6V - 1497.6V                                                                               | 1081.6V - 1497.6V                                                                               |
| Grouping mode                     | 416S12P                                                                                         | 416S12P                                                                                         |
| Cooling method                    | Intelligent liquid cooling                                                                      | Intelligent liquid cooling                                                                      |
| Fire protection system            | Combustible gas detection + emergency ventilation + aerosol fire fighting + water fire fighting | Combustible gas detection + emergency ventilation + aerosol fire fighting + water fire fighting |
| AC-side Parameters                |                                                                                                 |                                                                                                 |
| Rated power                       | 1250kW×4                                                                                        | 1250kW×4                                                                                        |
| PCS rated voltage                 | 690V                                                                                            | 690V                                                                                            |
| Current harmonic                  | < 3 %                                                                                           | < 3 %                                                                                           |
| Power factor                      | -1 - +1                                                                                         | -1 - +1                                                                                         |
| Type of transformer               | Oil-type transformer                                                                            | Oil-type transformer                                                                            |
| Ratio of transformer              | 33kV/0.69kV                                                                                     | 34.5kV/0.69kV                                                                                   |
| System Parameters                 |                                                                                                 |                                                                                                 |
| Dimensions of battery compartment | 6058×2438×2896mm                                                                                | 6058×2438×2896mm                                                                                |
| Weight of battery compartment     | 41t                                                                                             | 41t                                                                                             |
| Dimensions of all-in-one machine  | 12192×2438×2896mm                                                                               | 12192×2438×2896mm                                                                               |
| Weight of all-in-one machine      | 23.5t                                                                                           | 23.5t                                                                                           |
| Operating temperature range       | -30℃ - 50℃                                                                                      | -30℃ - 50℃                                                                                      |
| Operating humidity range          | 0% - 100%                                                                                       | 0% - 100%                                                                                       |
| Protection level                  | IP55                                                                                            | IP55                                                                                            |
| Maximum operating altitude        | 5000m                                                                                           | 5000m                                                                                           |
| Communication protocol            | Modbus TCP, IEC104, IEC61850                                                                    | Modbus TCP, IEC104, IEC61850                                                                    |
| Authentication                    | IEC 62619, IEC 63056, IEC61000, IEC 62477-1, IEC62933-5-2, UN3536, UN 38.3                      | UL 1973, UL 9540, UL 9540A, FCC part 15B, NFPA69, UN3536, UN 38.3                               |



# Overseas integrated AC/DC liquid cooling energy storage system

GESS-L5016AC-0.5C  
GESS-L5016AC-0.25C

With "integrated AC-DC" layout, the battery unit and PCS are integrated in one cabinet. Each PC runs independently, and the does not affect each other in case of fault, greatly improving the online rate of the system.

## Product Features

-  Safe
-  Effective
-  Intelligent management
-  Small floor area



## Product Parameters

| PRODUCT MODEL          | GESS-L5016AC-0.5C                                                                               | GESS-L5016AC-0.25C                                                                              |
|------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| AC/DC-side Parameters  |                                                                                                 |                                                                                                 |
| Cell type              | LFP 3.2V/314Ah                                                                                  | LFP 3.2V/314Ah                                                                                  |
| Battery capacity       | 5.016MWh                                                                                        | 5.016MWh                                                                                        |
| Voltage range          | 1081.6V - 1497.6V                                                                               | 1081.6V - 1497.6V                                                                               |
| Grouping mode          | 416S12P                                                                                         | 416S12P                                                                                         |
| PCS rated power        | 215kW×12                                                                                        | 215kW×6                                                                                         |
| PCS rated voltage      | 690V                                                                                            | 690V                                                                                            |
| Current harmonic       | < 3 %                                                                                           | < 3 %                                                                                           |
| Power factor           | -1 - +1                                                                                         | -1 - +1                                                                                         |
| Cooling method         | Intelligent liquid cooling (battery) and forced air cooling (PCS)                               | Intelligent liquid cooling (battery) and forced air cooling (PCS)                               |
| Fire protection system | Combustible gas detection + emergency ventilation + aerosol fire fighting + water fire fighting | Combustible gas detection + emergency ventilation + aerosol fire fighting + water fire fighting |

| Transformer Parameters |                      |                      |
|------------------------|----------------------|----------------------|
| Type of transformer    | Oil-type transformer | Oil-type transformer |
| Ratio of transformer   | 33kV/0.69kV          | 33kV/0.69kV          |
| Connection group       | Dy11                 | Dy11                 |

| System Parameters                  |                                                                            |                                                                            |
|------------------------------------|----------------------------------------------------------------------------|----------------------------------------------------------------------------|
| Dimensions of battery compartment  | 6058×2438×2896mm                                                           | 6058×2438×2896mm                                                           |
| Weight of battery compartment      | 43t                                                                        | 43t                                                                        |
| Dimensions of box-type transformer | 6058×2438×2896mm                                                           | 6058×2438×2896mm                                                           |
| Weight of box-type transformer     | 15t                                                                        | 15t                                                                        |
| Operating temperature range        | -30℃ - 50℃                                                                 | -30℃ - 50℃                                                                 |
| Operating humidity range           | 0% - 100%                                                                  | 0% - 100%                                                                  |
| Protection level                   | IP55                                                                       | IP55                                                                       |
| Maximum operating altitude         | 5000m                                                                      | 5000m                                                                      |
| Communication protocol             | Modbus TCP, IEC104, IEC61850                                               | Modbus TCP, IEC104, IEC61850                                               |
| Authentication                     | IEC 62619, IEC 63056, IEC61000, IEC 62477-1, IEC62933-5-2, UN3536, UN 38.3 | IEC 62619, IEC 63056, IEC61000, IEC 62477-1, IEC62933-5-2, UN3536, UN 38.3 |



# Grid Type High Voltage Level Reserve Energy System

PCS installed in the battery compartment, no main transformer, reduce the initial investment of equipment, small footprint, reduce the on-site installation and commissioning.

## Product Characteristics

 System Simplicity

 High Efficiency

 Quick Response

 Mesh Advantage



Description of configuration:  
The PCS unit and PACK are in modular form, with optional number of cells and cascades.  
The specific configurations can be adjusted according to assessment requirements

## Product Parameters

| System input voltage |            |  |
|----------------------|------------|--|
| System rated voltage | AC 6~35kV  |  |
| Rated frequency      | 50Hz(±5Hz) |  |

| Grid-connected performance                          |                         |  |
|-----------------------------------------------------|-------------------------|--|
| Junction current THD                                | < 2%(rated power point) |  |
| Reactive compensation power factor adjustment range | -1~+1                   |  |

| Grid-connected performance                            |                                                                                                                                                                          |  |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Energy conversion efficiency of energy storage system | System efficiency ≥91%                                                                                                                                                   |  |
| PCS conversion efficiency                             | Under rated operating conditions, PCS efficiency is not less than 98.5%                                                                                                  |  |
| Battery energy conversion efficiency                  | ≥94%                                                                                                                                                                     |  |
| Overload capacity (normal)                            | 110% rated current, continuous operation of not less than 10min;<br>The current on the AC side is 120% of the rated current, and the running time is not less than 1min. |  |
| Overload capacity                                     | 300% rated current, continuous operation of not less than 10s                                                                                                            |  |
| Cooling mode                                          | Intelligent water cooling                                                                                                                                                |  |
| Power response time                                   | ≤20ms                                                                                                                                                                    |  |
| Reactive power response time                          | ≤5ms                                                                                                                                                                     |  |

|                             | TYPICAL CONFIGURATION 1C、0.25C           |                                           |                                             | TYPICAL CONFIGURATION 0.5C           |                                      |                                       |
|-----------------------------|------------------------------------------|-------------------------------------------|---------------------------------------------|--------------------------------------|--------------------------------------|---------------------------------------|
|                             | For 40 MWh project - 1C - 1 set required | For 50 MWh project - 1C - 2 sets required | For 60 MWh project - 0.25C - 1 set required | For 60 MWh project - 2 sets required | For 80 MWh project - 2 sets required | For 100 MWh project - 2 sets required |
| Rated power                 | 40MW                                     | 25MW                                      | 15MW                                        | 15MW                                 | 20MW                                 | 16.67MW                               |
| Rated capacity              | 40MWh                                    | 25MWh                                     | 60MWh                                       | 30MWh                                | 40MWh                                | 33.34MWh                              |
| Voltage for grid connection | 35kV                                     | 35kV                                      | 35kV                                        | 35kV                                 | 35kV                                 | 35kV                                  |
| Rated efficiency            | 91.2%                                    | 91%                                       | 91%                                         | 91%                                  | 91%                                  | 91%                                   |
| Number of compartments      | Total 11 sets                            | Total 21 sets                             | Total 21 sets                               | Total 21 sets                        | Total 21 sets                        | Total 30 sets                         |



# M1500 V overseas industrial and commercial energy storage cabineticrogrid Power Station

GESS-M372  
GESS-M418

The DC1500V distributed energy storage system can be flexibly configured based on the DC1500V outdoor liquid cooling energy storage cabinet (product type: GESS-M372). According to actual project requirements, the number of energy storage cabinets, integrated converter cabinets, pre-installed substations, and EMS ports can be flexibly configured to meet the capacity requirements of different scenarios.

## Product Features

-  Packet-level detection and fire fighting
-  Multi-level active early warning
-  Explosion-proof design
-  Modular design
-  Long cycle life of the system



## Product Parameters

| PRODUCT MODEL            | GESS-M372                                                 | GESS-M418                                                 |
|--------------------------|-----------------------------------------------------------|-----------------------------------------------------------|
| Cell type                | LFP/280Ah                                                 | LFP/314Ah                                                 |
| Rated voltage            | DC1331.2 V                                                | DC1331.2 V                                                |
| Operating voltage        | DC1500V                                                   | DC1500V                                                   |
| Grouping mode            | 1P416S                                                    | 1P416S                                                    |
| Cooling method           | Liquid cooling                                            | Liquid cooling                                            |
| Cycle life               | ≥8000                                                     | ≥8000                                                     |
| Protection level         | IP54                                                      | IP54                                                      |
| Dimensions               | 1300×1300×2300mm                                          | 1300×1300×2300mm                                          |
| Weight                   | 3.5t                                                      | 3.5t                                                      |
| Operating humidity range | 0-100%                                                    | 0-100%                                                    |
| Authentication           | UN38.3, IEC62619, IEC62477-1, IEC61000-6-2/4, RoHS, REACH | UN38.3, IEC62619, IEC62477-1, IEC61000-6-2/4, RoHS, REACH |



# 1000V overseas outdoor integrated cabinet

GESS-M215  
GESS-M261

DC1000V system, integrated with PCS, equipped with intelligent cloud platform, real-time monitoring of system operating conditions and benefits.

## Product Features

-  Packet-level detection and fire fighting
-  Explosion-proof design
-  AC convergence and high integration
-  Modular design and easy expansion
-  Economical and efficient
-  Intelligent operation and maintenance



## Product Parameters

| PRODUCT MODEL            | GESS-M215                                                 | GESS-M261                                                 |
|--------------------------|-----------------------------------------------------------|-----------------------------------------------------------|
| Cell type                | LFP/280Ah                                                 | LFP/314Ah                                                 |
| Rated voltage            | DC768V                                                    | DC832V                                                    |
| Operating voltage        | DC1000V                                                   | DC1000V                                                   |
| Output voltage           | AC400V                                                    | AC400V                                                    |
| Grouping mode            | 1P240S                                                    | 1P260S                                                    |
| Output system            | 3L+N+PE                                                   | 3L+N+PE                                                   |
| Rated power              | 100kW                                                     | 125kW                                                     |
| Cycle life               | ≥8000                                                     | ≥8000                                                     |
| Off-grid operation       | Support                                                   | Support                                                   |
| Protection level         | IP54                                                      | IP54                                                      |
| Dimensions               | 1000×1300×2300mm                                          | 1000×1300×2300mm                                          |
| Weight                   | 2.4t                                                      | 2.4t                                                      |
| Operating humidity range | 0-100%                                                    | 0-100%                                                    |
| Authentication           | UN38.3, IEC62619, IEC62477-1, IEC61000-6-2/4, RoHS, REACH | UN38.3, IEC62619, IEC62477-1, IEC61000-6-2/4, RoHS, REACH |



# 465kWh overseas integrated liquid cooling energy storage cabinet

CESS-M465-EU-1C

CESS-M465 integrates battery, battery management system, thermal management system, safety management system, PCS and EMS in a 15 ft container, and applies to microgrid energy storage scenarios.

## Product Features

-  High integration level
-  Grid connection and disconnection switching
-  Remote control



## Product Parameters

| PRODUCT MODEL                | CESS-M465-EU-1C                                                                             |
|------------------------------|---------------------------------------------------------------------------------------------|
| DC-side Parameters           |                                                                                             |
| Cell type                    | LFP 3.2V/280 Ah                                                                             |
| System configuration         | 260S2P                                                                                      |
| Battery capacity             | 465kWh                                                                                      |
| Battery voltage range        | 702V-879V                                                                                   |
| Cooling method               | Intelligent liquid cooling                                                                  |
| Fire protection system       | Combustible gas detection + emergency ventilation + gas fire fighting + water fire fighting |
| AC-side Parameters           |                                                                                             |
| Rated charge/discharge power | 500kW                                                                                       |
| Rated voltage                | AC400V                                                                                      |
| Voltage range                | AC320V - 460V                                                                               |
| Rated grid frequency         | 50/60Hz                                                                                     |
| System Parameters            |                                                                                             |
| Dimensions                   | 4515×2438×2896mm                                                                            |
| Weight                       | 11t                                                                                         |
| Protection level             | IP54                                                                                        |
| Operating temperature range  | -30℃ - 50℃                                                                                  |
| Operating humidity range     | 0%-100%                                                                                     |
| Maximum operating altitude   | 5000m                                                                                       |
| Communication protocol       | RS485/CAN/Ethernet                                                                          |
| Authentication               | IEC 62619, IEC 63056, IEC 62477-1, UN 38.3, RoHS, REACH                                     |



# Overseas integrated energy storage, converter and booster

GESS-eStation-3450  
GESS-eStation-5000  
GESS-eStation-5000M

The integrated energy storage, converter and booster is composed of energy storage converter PCS, booster transformer, HV chamber, communication power cabinet and supporting auxiliary systems.

## System Features

-  Integration
-  Fault protection
-  Remote monitoring
-  Support the network construction



## Product Parameters

| PRODUCT MODEL               | GESS-ESTATION-3450                                      | GESS-ESTATION-5000                                      | GESS-ESTATION-5000M                                      |
|-----------------------------|---------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|
| DC-side Parameters          |                                                         |                                                         |                                                          |
| Maximum DC voltage          | 1500V                                                   | 1500V                                                   | 1500V                                                    |
| Minimum DC voltage          | 1000V                                                   | 1000V                                                   | 1000V                                                    |
| Number of DC input paths    | 2                                                       | 4                                                       | 24                                                       |
| AC-side Parameters          |                                                         |                                                         |                                                          |
| Rated power                 | 3450kW (1725kW×2)                                       | 5000kW (1250kW×4)                                       | 5000kW (215kW×24)                                        |
| Converter output voltage    | 690V                                                    | 690V                                                    | 690V                                                     |
| Grid frequency              | 50Hz/60Hz                                               | 50Hz/60Hz                                               | 50Hz/60Hz                                                |
| Power factor                | -1~+1                                                   | -1~+1                                                   | -1~+1                                                    |
| Maximum efficiency          | 99%                                                     | 99%                                                     | 99%                                                      |
| Transformer Parameters      |                                                         |                                                         |                                                          |
| Type of transformer         | Dry-type transformer /oil-type transformer              | Dry-type transformer /oil-type transformer              | Dry-type transformer /oil-type transformer               |
| Rated power                 | 3450kVA                                                 | 5000kVA                                                 | 5000kVA                                                  |
| Rated voltage ratio         | 37kV/0.69kV                                             | 37kV/0.69kV                                             | 37kV/0.69kV                                              |
| Connection group            | Dy11                                                    | Dy11                                                    | Dy11                                                     |
| Basic Parameters            |                                                         |                                                         |                                                          |
| Dimensions (L×W×H)          | 6058×2438×2896mm                                        | 12192×2438×2896mm                                       | 12192×2438×2896mm                                        |
| Weight                      | About 15 t                                              | About 23.5 t                                            | About 25 t                                               |
| Operating temperature range | -30 - +50℃                                              | -30 - +50℃                                              | -30 - +50℃                                               |
| Maximum operating altitude  | 5000m                                                   | 5000m                                                   | 5000m                                                    |
| Protection level            | IP54/IP68                                               | IP54/IP68                                               | IP54/IP68                                                |
| Communication protocol      | Modbus TCP, IEC104, IEC61850                            | Modbus TCP, IEC104, IEC61850                            | Modbus TCP, IEC104, IEC61850                             |
| Certification standard      | UL9540A, UI1973, IEC62619, IEC62477-1, IEC61000, UN38.3 | UL9540A, UL1973, IEC62619, IEC62477-1, IEC61000, UN38.3 | UL9540A, UL1973, IEC62619, IEC62477-1, IEC61000, UN38.3, |



# Energy storage converter PCS

GWP-APCS-1250K  
GWP-APCS-1725K

## System Features

-  Multiple security protection
-  Intelligent air cooling
-  High protection level



# Product Parameters

| PRODUCT MODEL                                 | GWP-APCS-1250K                             | GWP-APCS-1725K                             |
|-----------------------------------------------|--------------------------------------------|--------------------------------------------|
| DC-side Parameters                            |                                            |                                            |
| Maximum DC voltage                            | 1500V                                      | 1500V                                      |
| Minimum DC voltage                            | 1000V                                      | 1000V                                      |
| AC-side Parameters                            |                                            |                                            |
| Rated power                                   | 1250kW                                     | 1725kW                                     |
| Rated voltage                                 | 690V                                       | 690V                                       |
| Rated frequency                               | 50Hz                                       | 50Hz                                       |
| Overload capacity                             | ≤110%, long operating hours; ≤120%, 10 min | ≤110%, long operating hours; ≤120%, 10 min |
| Maximum efficiency                            | 99%                                        | 99%                                        |
| Protection                                    |                                            |                                            |
| DC switch                                     | Load switch + fuse                         | Load switch + fuse                         |
| AC switch                                     | Circuit breaker                            | Circuit breaker                            |
| Overvoltage protection                        | DC Type II/AC Type I                       | DC Type II/AC Type I                       |
| Insulation monitoring                         | Support                                    | Support                                    |
| Overheat protection                           | Support                                    | Support                                    |
| Power grid monitoring/ground fault monitoring | Support                                    | Support                                    |
| Conventional Parameters                       |                                            |                                            |
| Dimensions (L×W×H)                            | 1080×1274×2400mm                           | 1080×1274×2400mm                           |
| Weight                                        | 1.5t                                       | 1.5t                                       |
| Operating temperature range                   | -30 - 50°C                                 | -30 - 50°C                                 |
| Maximum operating altitude                    | 5000m                                      | 5000m                                      |
| Protection level                              | IP65                                       | IP65                                       |
| Communication protocol                        | Modbus TCP, IEC104, IEC61850               | Modbus TCP, IEC104, IEC61850               |
| Certification standard                        | IEC 62477-1, IEC 61000-6-2, IEC 61000-6-4  | IEC 62477-1, IEC 61000-6-2, IEC 61000-6-4  |



# Overseas energy storage system

GWP-iONE-Single Phase  
GWP-iONE-Three Phase

## Product Parameters

| SYSTEM SPECIFICATION     | GWP-IONE-SINGLE PHASE | GWP-IONE-THREE PHASE |
|--------------------------|-----------------------|----------------------|
| Nominal Output Power (W) | 3000 - 8000           | 4000 - 12000         |
| Capacity Range(kWh)      | 8 - 28                | 12 - 28              |
| Battery Chemistry        | LFP Cell              | LFP Cell             |
| Protection Rating        | IP65                  | IP65                 |
| Battery Warranty(Years)  | 10                    | 10                   |

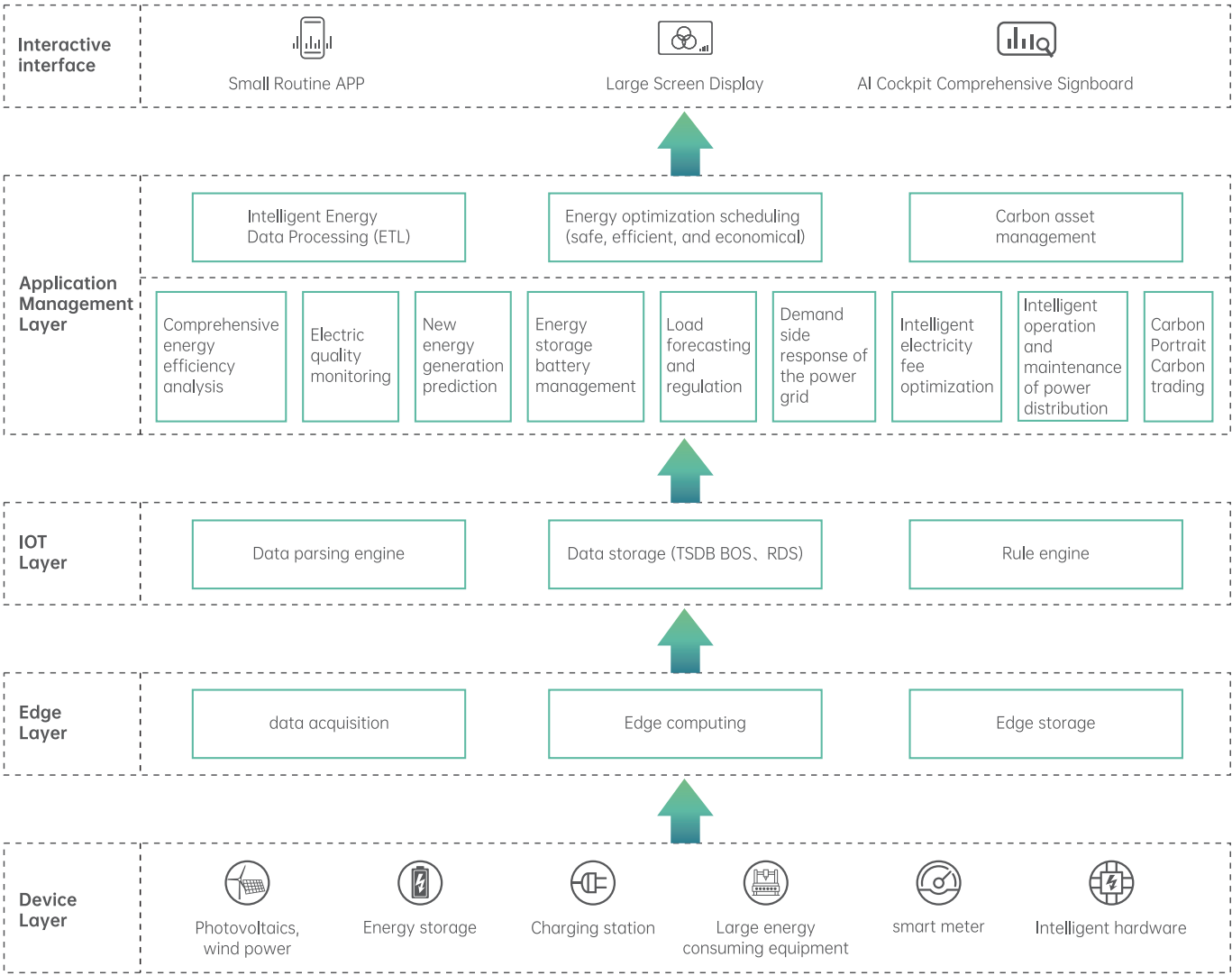
-  All-in-one Hybrid ESS and EV charger take you enjoy Zero-carbon
-  Wide battery capacity for your different choice
-  More than 8000 cycles of lifespan
-  24/7 online monitoring for reliable operation
-  Fitted to 1-phase or 3-phase grid
-  10 ms seamless switch in case of black time
-  Wide temperature tolerance
-  Stack design, installation within 20 minutes respectively
-  Remote upgrade for easy maintenance
-  IP65 protection, suitable for indoor and outdoor scenarios



# Energy Management System (EMS)

The energy management system is responsible for the monitoring and control of the integrated energy system to ensure the coordinated, safe, reliable and economic operation of the integrated energy system.

# Product Introduction





# Greenworks Power UK Ltd

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