



# FARASIS ENERGY

## Product Portfolio

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A Global Pioneer in Batteries  
Powering Clean and Sustainable  
Energy



# FARASIS ENERGY

## ESS Portfolio

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## Energy Storage System

- **Farasis 5 MWh Energy Storage Container**
- **Commercial & Industrial Energy Storage Cabinet**
- **Residential Energy Storage System**

## 5 MWh CONTAINER



### High Energy Efficiency

- Premium 314 Ah Cell
- Up to 5000 LFP cells · ~3.2 V
- Nominal energy: 5 MWh



### Intelligent System

- BMS: CAN · RS485 · Ethernet
- Nominal voltage: ~1350 V
- Liquid cooling · Active thermal mgmt.



### Built for the Field

- 20-foot standard container
- Max load: 45 tons · IP54
- Operating env: -20°C to 60°C · 2,000 m



### Environmental Certification

- GB/T 36276 · IEC 62619 · UN 38.3
- UL1973 · UL9540A · RoHS · REACH
- 100% cobalt-free

## SPECIFICATIONS



| MECHANICAL                    |                                       |
|-------------------------------|---------------------------------------|
| Dimensions (L × W × H)        | 6,058 × 2,438 × 2,896 mm              |
| Weight Container (20 ft.)     | ~ 45 t                                |
| Protection Level              | IP 54                                 |
| GENERAL                       |                                       |
| Battery Type                  | LFP – 3.2V / 314 Ah                   |
| No. of Battery Cells          | 4992                                  |
| Configuration                 | 6P416S or 12P416S                     |
| Cooling Method                | Liquid Cooling                        |
| BMS Communication             | CAN, RS485, Ethernet                  |
| Application Altitude          | ≤ 2,000 m                             |
| Humidity                      | 0–95% RH (Non-condensing)             |
| TEMPERATURE RANGE             |                                       |
| Operating                     | -20 ~ 60°C                            |
| Storing (recommended)         | -10 ~ 50°C                            |
| ELECTRICAL                    |                                       |
| Nominal Voltage Container     | 1331.2 V                              |
| Operating Voltage Container   | 1164.8 ~ 1497.6 V                     |
| Nominal Energy Container      | 5.14 MWh                              |
| Nominal Charge/Discharge Rate | 0.5P / 0.5P                           |
| Cycle Life                    | 6000 (70% SOH, 90% DOD @25°C)         |
| PRODUCT CERTIFICATIONS        |                                       |
| Certificates and Reports      | GB/T 36276, IEC62619, UL1973, UL9540A |
| Safe Transportation           | UN 38.3                               |
| ENVIRONMENTAL                 |                                       |
| Compliance                    | RoHS, REACH, Cobalt free              |

## F150 CABINET



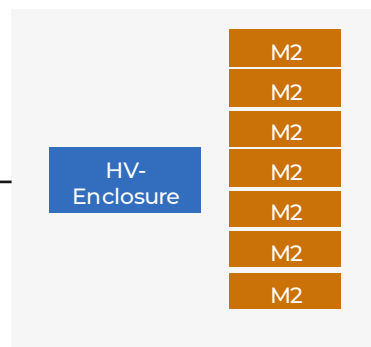
## FEATURES:

| MECHANICAL                    |                           |
|-------------------------------|---------------------------|
| <b>Dimensions (L × W × H)</b> | 1,450 × 1,500 × 2,320 mm  |
| <b>Weight Cabinet</b>         | ≤ 2650 kg                 |
| <b>Protection Level</b>       | IP 54                     |
| GENERAL                       |                           |
| <b>Cell Type</b>              | LFP – 3.2V / 180Ah        |
| <b>No. of Battery Modules</b> | 8                         |
| <b>Configuration</b>          | 1P32S                     |
| <b>Cooling Method</b>         | Liquid Cooling            |
| <b>BMS Communication</b>      | CAN, RS485, Ethernet      |
| <b>Application Altitude</b>   | ≤ 2,000 m                 |
| <b>Humidity</b>               | 0–95% RH (Non-condensing) |

## F150 CABINET



F 150



8xM2 Module



Farasis M2 Module

## FEATURES:

| TEMPERATURE RANGE             |  |
|-------------------------------|--|
| Operating                     | -20 ~ 50°C   |
| Storing (recommended)         | -10 ~ 50°C   |
| ELECTRICAL                    |  |
| Nominal Voltage Cabinet       | 819.2 V  |
| Operating Voltage Cabinet     | 716.8 ~ 921.6 V  |
| Nominal Energy Cabinet        | 147.45 kWh   |
| Nominal Charge/Discharge Rate | 0.5P / 0.5P  |
| Cycle Life                    | ≥ 3300 (70% SOH, 90% DOD @25°C) enhancement upto 6000 cycles |
| PRODUCT CERTIFICATIONS        |  |
| Certificates and Reports      | UL1973, UL9540A, IEC62619, GB/T36276, GB44420                |
| Safe Transportation           | UN 38.3  |
| ENVIRONMENTAL                 |  |
| Compliance                    | RoHS   |

## Residential Storage



## FEATURES

|                           |                             |                                 |  |
|---------------------------|-----------------------------|---------------------------------|--|
| <b>MODEL</b>              | M1-9 / M1 -18 / M1 -27      | <b>NOMINAL ENERGY</b>           | 9.21 / 18.43 / 27.65 kWh                   |
| <b>CHEMISTRY</b>          | LFP – 3:2 V                 | <b>CHARGE / DISCHARGE POWER</b> | 4.6 / 8 / 10 kW                            |
| <b>CAPACITY</b>           | 180 Ah                      | <b>WEIGHT</b>                   | 92 / 181 / 270 kg                          |
| <b>CONFIGURATION</b>      | 16S1P / 2Px16S1P / 3Px16S1P | <b>PRODUCT CERTIFICATION</b>    | GB40165, IEC62619, UN38.3, UL1973, UL9540A |
| <b>VOLTAGE RANGE</b>      | 44.8V ~ 57.6V               | <b>PROTECTION LEVEL</b>         | IP 67                                      |
| <b>DIMENSIONS (L*W*H)</b> | 852 x 162 x 542/984/1426 mm | <b>SERVICE LIFE</b>             | > 10 years                                 |



# A Global Pioneer in Batteries Powering Clean and Sustainable Energy

## European Headquarters

Farasis Energy Europe GmbH | Benzstraße 2 |

72636 Frickenhausen (Stuttgart) | GERMANY

Tel: (+49) (0) 7022 789 4370

Email: [info@farasis.com](mailto:info@farasis.com)

Website: [www.farasis-energy.com](http://www.farasis-energy.com)