



# 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



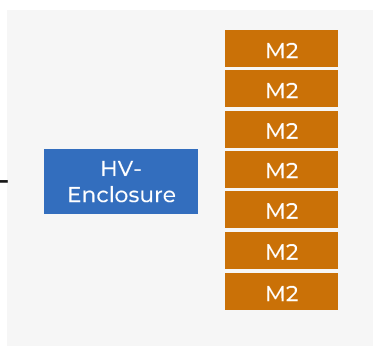
## FEATURES:

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



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## 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)