



FARASIS ENERGY

Product Portfolio

A Global Pioneer in Batteries
Powering Clean and Sustainable
Energy



FARASIS ENERGY

ESS Portfolio





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

Farasis 5 MWh Energy Storage Container

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



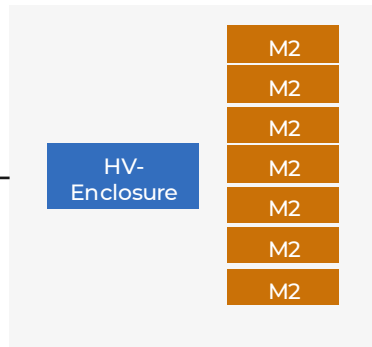
FEATURES:

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

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



A Global Pioneer in Batteries Powering Clean and Sustainable Energy

USA Headquarters

Farasis Energy USA

21363 Cabot Blvd., Hayward, CA 94545

Tel: +1 (510) 732-6600

Email: info@farasis.com

Website: farasis-usa.com