FARASIS ENERGY
Product Portfolio

A Global Pioneer in Batteries Powering Clean and Sustainable Energy

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FARASIS ENERGY
Module Portfolio

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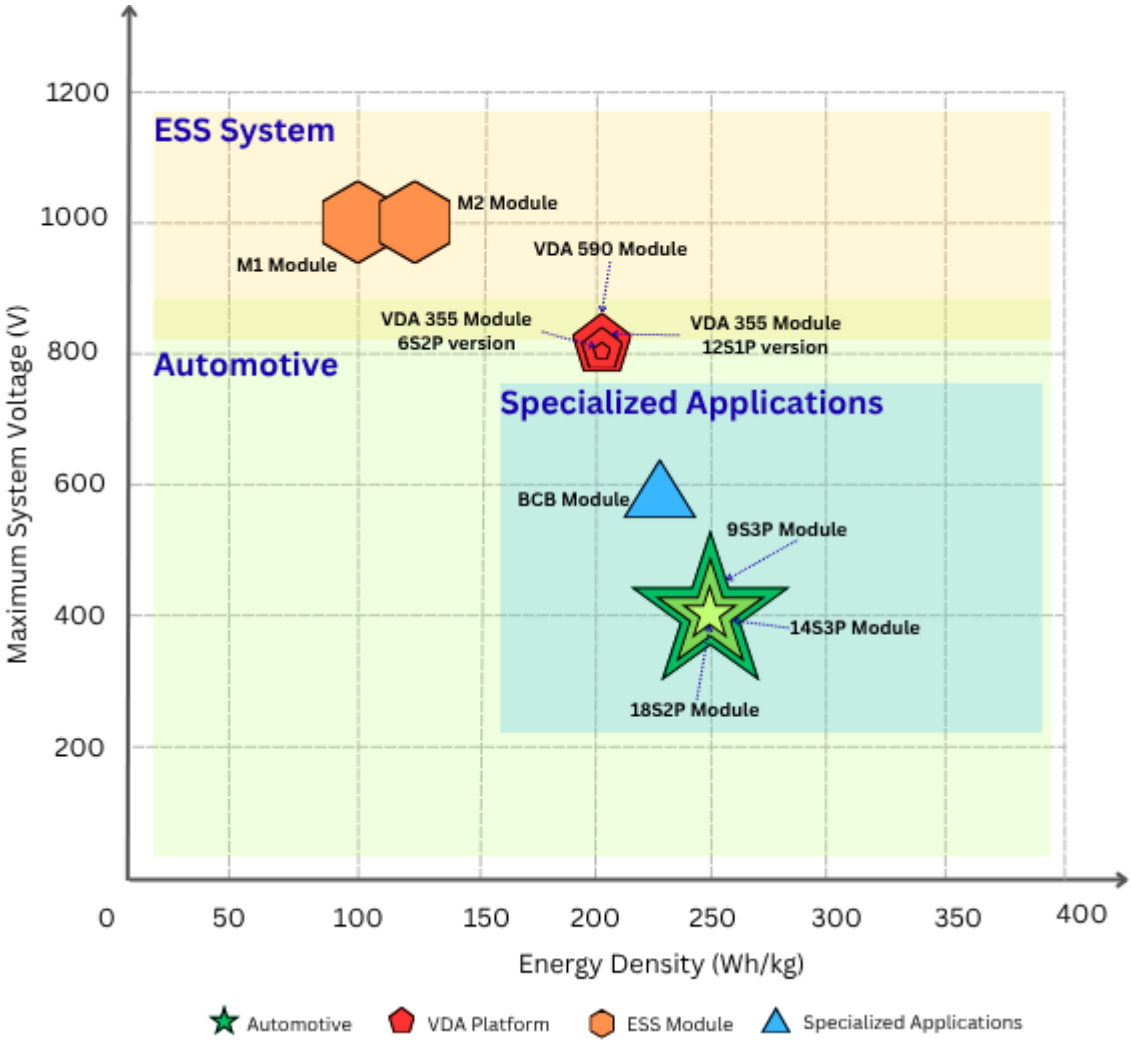
MODULE MATRIX

The **Farasis Module Matrix** showcases our scalable module portfolio across **system voltage and energy output**, enabling customers to quickly identify the optimal architecture for ESS, automotive, and specialized mobility applications. The horizontal axis represents energy performance, while the vertical axis reflects maximum system voltage, illustrating platform scalability across voltage levels.



Each bubble corresponds to an individual module model, and the bubble size reflects the cell capacity in ampere-hours (Ah) from low capacity to high-capacity module.

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MODULE PORTFOLIO

Modules:

- BCB-Module
- VDA-590 Module
- VDA-355 Module 6s2p
- VDA-355 Module 12s1p
- Module 9S3P
- Module 14S3P
- Module 18S2P
- M1 Module
- M2 Module

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BCB

FEATURE

DIMENSIONS (L*W*H)	460 x 313 x 112 mm	CHARGE TIME (10-80% SOC)	31 min
CONFIGURATION	14s2p	CHEMISTRY	NCM 8
APPLICATION		MODULE WEIGHT	33.5 kg
NOMINAL CAPACITY (C/3, @25 °C)	146 Ah	IP RATING	IP 67
MAX SYSTEM VOLTAGE	560 V upto 800 V	NOMINAL VOLTAGE (C/3, @25 °C)	51.1 V
MODULE ENERGY (C/3, @25 °C)	7.5 kWh	CYCLE LIFE (25°C, 80% SOH)	> 1500 Cycles

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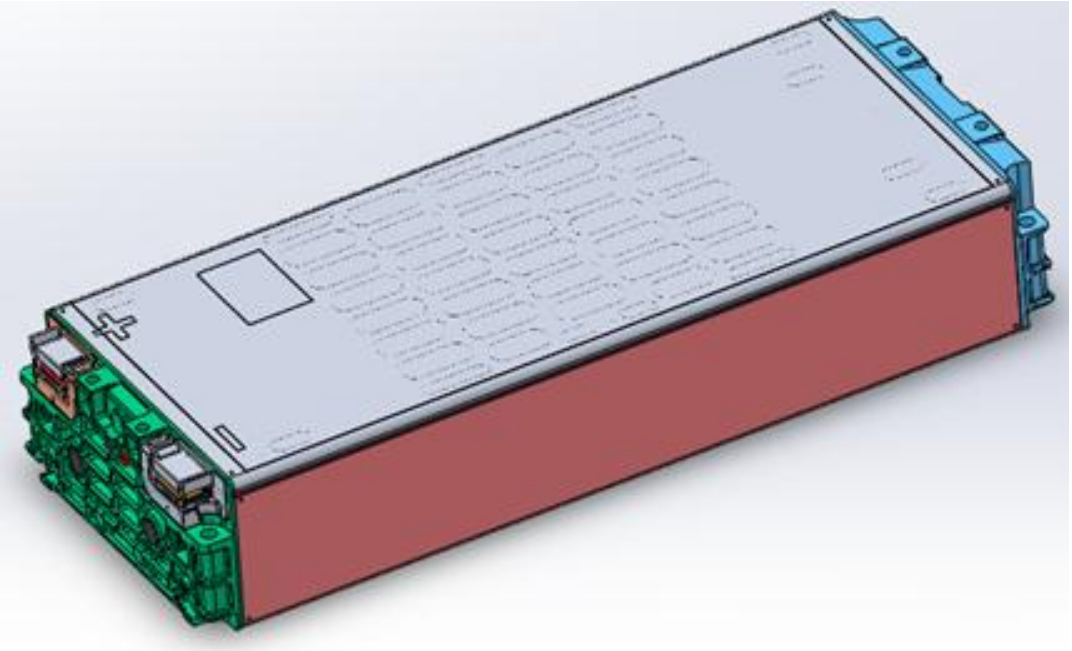
VDA 590



FEATURE

DIMENSIONS (L*W*H)	590 x 225 x 108 mm	CHARGE TIME (10-80% SOC)	25 min
CONFIGURATION	12s2p	CHEMISTRY	NCM 6
APPLICATION		MODULE WEIGHT	30 kg
NOMINAL CAPACITY (C/3, @25 °C)	147 Ah	IP RATING	IP 54
MAX SYSTEM VOLTAGE	800 V	NOMINAL VOLTAGE (C/3, @25 °C)	45 V
MODULE ENERGY (C/3, @25 °C)	6.4 kWh	CYCLE LIFE (25°C, 80% SOH)	> 1500 Cycles

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VDA 355 6s2P

FEATURE

DIMENSIONS (L*W*H)	355 x 151.5 x 108.5 mm	CHARGE TIME (10-80% SOC)	48 min
CONFIGURATION	6s2p	CHEMISTRY	NMC 6
APPLICATION		MODULE WEIGHT	11.23 kg
NOMINAL CAPACITY (C/3, @25 °C)	112 Ah	IP RATING	IP 54
MAX SYSTEM VOLTAGE	800 V	NOMINAL VOLTAGE (C/3, @25 °C)	22.26 V
MODULE ENERGY (C/3, @25 °C)	2.47 kWh	CYCLE LIFE (25°C, 80% SOH)	> 2000 Cycles

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VDA 355 12s1p

FEATURE

DIMENSIONS (L*W*H)	355 x 151.5 x 108.5 mm	CHARGE TIME (10-80% SOC)	48 min
CONFIGURATION	12s1p	CHEMISTRY	NMC 6
APPLICATION		MODULE WEIGHT	11.23 kg
NOMINAL CAPACITY (C/3, @25 °C)	56 Ah	IP RATING	IP 54
MAX SYSTEM VOLTAGE	800 V	NOMINAL VOLTAGE (C/3, @25 °C)	44.52 V
MODULE ENERGY (C/3, @25 °C)	2.47 kWh	CYCLE LIFE (25°C, 80% SOH)	> 2000 Cycles

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MODULE 9S3P

FEATURE

DIMENSIONS (L*W*H)	450.7 x 314.6 x 108.4mm	CHARGE TIME (10-80% SoC)	35 min
CONFIGURATION	9s3p	CHEMISTRY	NCM 8
APPLICATION		MODULE WEIGHT	31.1 kg
NOMINAL CAPACITY (C/3, @25 °C)	228.9 Ah	CERTIFICATION	NA
MAX SYSTEM VOLTAGE	400 V	NOMINAL VOLTAGE (C/3, @25 °C)	32.85 V
MODULE ENERGY (C/3, @25 °C)	7.5 kWh	CYCLE LIFE	>2000 cycles

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MODULE 14S3P

FEATURE

DIMENSIONS (L*W*H)	691.2 x 314.6 x 108.4mm	CHARGE TIME (10-80% SoC)	<40 min
CONFIGURATION	14s3p	CHEMISTRY	NCM 8
APPLICATION		MODULE WEIGHT	47.3 kg
NOMINAL CAPACITY (C/3, @25 °C)	228.9 Ah	CERTIFICATION	NA
MAX SYSTEM VOLTAGE	400 V	NOMINAL VOLTAGE (C/3, @25 °C)	51.1 V
MODULE ENERGY (C/3, @25 °C)	10.40 kWh	CYCLE LIFE	>2000 cycles

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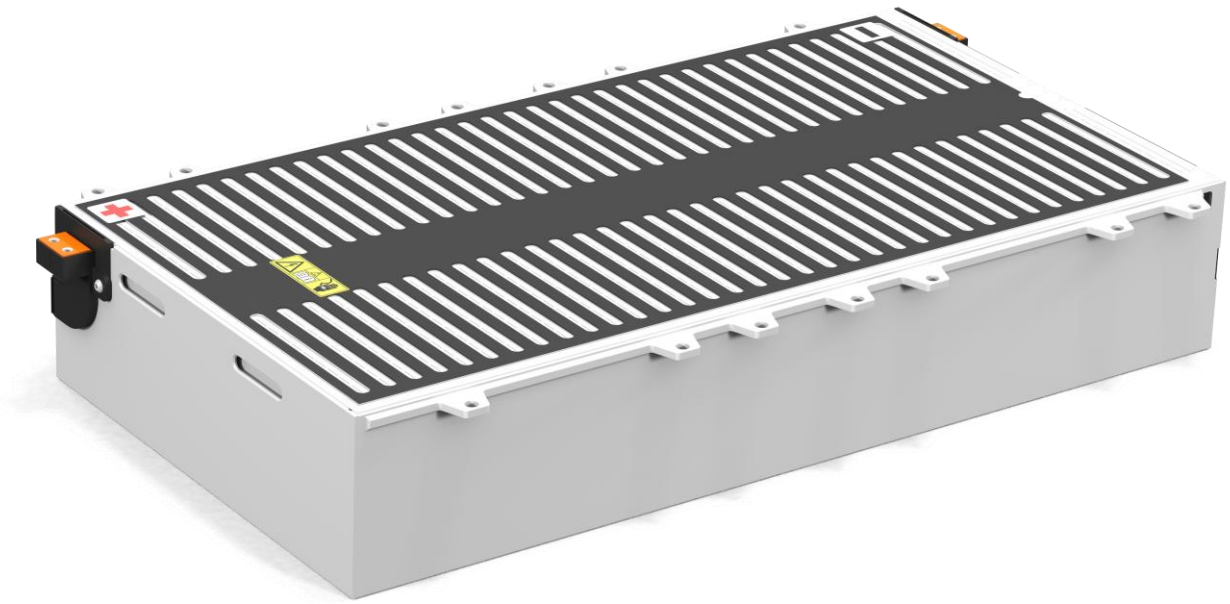
MODULE 18S2P



FEATURE

DIMENSIONS (L*W*H)	626 x 347 x 108.4mm	CHARGE TIME (10-80% SoC)	< 30 minutes
CONFIGURATION	18s2p	CHEMISTRY	NCM 8
APPLICATION		MODULE WEIGHT	39 kg
NOMINAL CAPACITY (C/3, @25 °C)	146 Ah	CERTIFICATION	GB3803
MAX SYSTEM VOLTAGE	400 V	NOMINAL VOLTAGE (C/3, @25 °C)	65.8 V
MODULE ENERGY (C/3, @25 °C)	9.59 kWh	LIFE CYCLE	3000 cycles

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MODULE M1

FEATURE

DIMENSIONS (L*W*H)	825 x 542 x 167 mm
CONFIGURATION	16s1p
APPLICATION	
NOMINAL CAPACITY (C/3, @25 °C)	180 Ah
MAX SYSTEM VOLTAGE	1000 V
MODULE ENERGY (C/3, @25 °C)	9.2 kWh

CHARGE TIME (0-100% SoC)	2 hours
CHEMISTRY	LFP
MODULE WEIGHT	92 kg
IP RATING	IP67
NOMINAL VOLTAGE (C/3, @25 °C)	51.2 V
CYCLE LIFE (25°C, 80% SOH)	3300 Cycles with enhancement up to 6000 cycles

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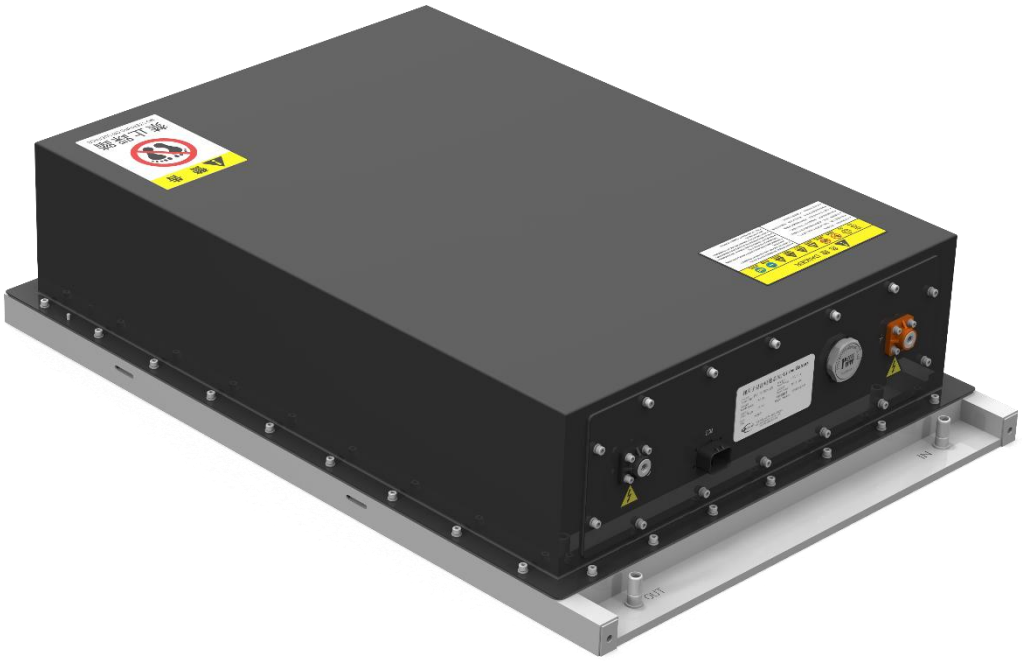
MODULE M2



FEATURE

DIMENSIONS (L*W*H)	890 x 624 x 218 mm
CONFIGURATION	32s1p
APPLICATION	
NOMINAL CAPACITY (C/3, @25 °C)	180 Ah
MAX SYSTEM VOLTAGE	1000 V
MODULE ENERGY (C/3, @25 °C)	18.72 Wh

CHARGE TIME (0-100% SoC)	2 hours
CHEMISTRY	LFP
MODULE WEIGHT	144 kg
IP RATING	IP67
NOMINAL VOLTAGE (C/3, @25 °C)	102.4 V
CYCLE LIFE (25°C, 80% SOH)	3300 Cycles with enhancement up to 6000 cycles

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