



TRANSFORMING ADVANCED MATERIALS
INTO EXCEPTIONAL BATTERY SYSTEMS

PLATFORM SPEC SHEET

Magnus™ Battery Platform

FULLY SCALABLE ARCHITECTURE

Rev. 2026.05



MAGNUS LV

9 kWh

Low Voltage / Auxiliary



MAGNUS

69 kWh

Mobility



MAGNUS+

78 kWh

Mobility

	MAGNUS LV	MAGNUS	MAGNUS+
MECHANICAL			
Dimensions (mm)	305 × 590 × 236	1332 × 590 × 236	1480 × 590 × 236
Mass (kg)	48	307	345
ELECTRICAL			
Voltage Class (DC) min / nom / max	48V (30/45/50) 100V (60/90/100)	400V (240/350/400) 800V (480/700/800)	500V (240/350/450) 1000V (540/790/910)
Current (A) 1.5C Cont. / 3.0C Peak	48V (300/600) 100V (150/300)	400V (300/600) 800V (150/300)	500V (300/600) 1000V (150/300)
ENERGY			
Rated Energy (kWh)	8.6	69.0	77.6
Gravimetric Energy Density (Wh/kg)	180	225	225
Volumetric Energy Density (Wh/L)	207	372	376

COMMON ACROSS PLATFORM

PRODUCT SAFETY
PPR / ECE R100.3

FUNCTIONAL SAFETY
ISO 26262 up to ASIL D

CYBERSECURITY
ISO 21434

COMMUNICATIONS
SAE J1939

CHEMISTRY
NCMA

DURABILITY
3000+ cycles

THERMAL MANAGEMENT
WEG 50/50

CHARGE TIME
80% recovery < 45 min





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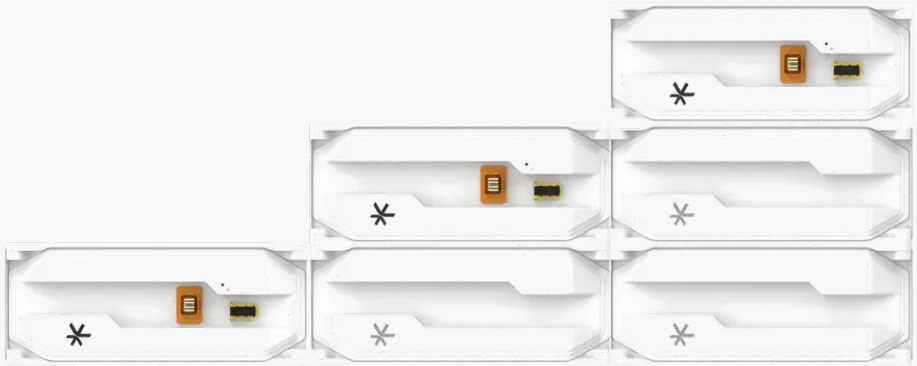
FULLY SCALABLE ARCHITECTURE

Rev. 2026.05

available in

3

pack sizes



	I	II	III
ENERGY (kWh)			
Magnus LV	9	17	26
Magnus	69	138	207*
Magnus+	78	155	233*
MECHANICAL			
Height (mm)	236	472	708
Mass	×1	×2	×3
HV / LV / Thermal Interface	1	1	1
ELECTRICAL			
Parallel Strings	1	2	3
Current (A) 1.5C Cont. / 3.0C Peak	see front page	300/600	300/600

*** OPTIONAL HEAVY-INDUSTRIAL VOLTAGE CLASS**

MAGNUS III	1200 VDC	207 kWh
MAGNUS+ III	1500 VDC	233 kWh

Single-string building blocks built for megawatt-hour class systems in heavy mining, machinery, rail, and relocatable grid applications.

