



High Energy Density

Offering up 10C discharge and over 150 W/kg to overcome any power or energy challenge



Ease of Integration

Fully integrated autonomous thermal management system per module



Safety & Quality

Dedicated to the highest standards of safety and quality



All-Weather Ready

Reliably operational at - 20 °C to 40 °C ambient temperatures



MULTIPLE APPLICATIONS



Propulsion

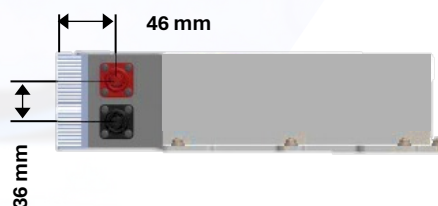
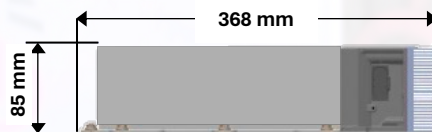
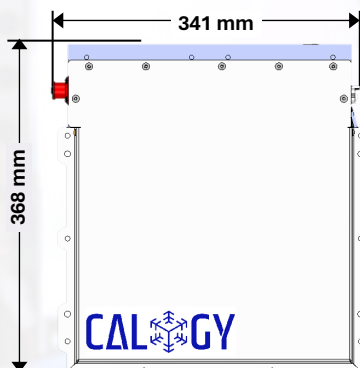


Auxiliary power

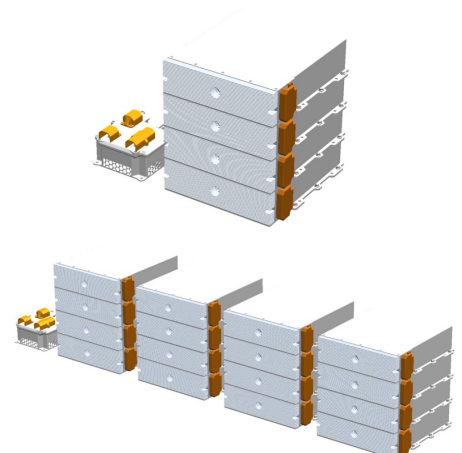


Fuel Cell/ Hybrid

MODULE DIMENSIONS



MODULARITY



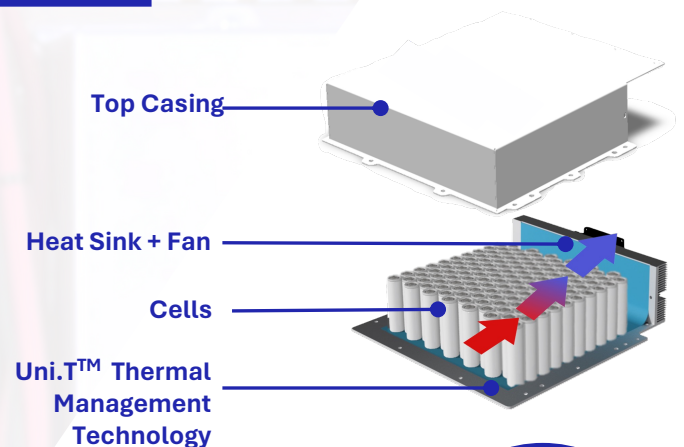
SPECIFICATIONS

Module Energy	2 kWh (42Ah)
Module Voltage (Min/Nom/Max)	39V/48V/54V
System Energy	2 – 32 kWh
System Voltage (Nominal)	48 V – 384 V
Cell Chemistry	NMC
Module Weight	13.2 kg
Communications	CAN 2.0B
BMS	Modular with external master control box
Continuous Current (@ 20°C)	120 A
Peak Current (@ 20°C)	400 A (30 sec)
Charge time (20% to 80%)	1 h
Maximum charge current (C-Rate)	1 C
Cycle Life (1C Charge/Discharge @ 20°C)	1500 @ 70% DoD
Heating	Integrated & Autonomous
Cooling	Integrated & Autonomous
Operating Ambient Temp.	-20°C to 40°C
Storage Ambient Temp	-30°C to 60°C
Over/Under Temperature protection	
Over/Under Voltage protection	
Charge/Discharge current protection	
Short circuit safety	
Integrated isolation detection (Optional)	
Integrated Pre-Charge Sequence	
Integrated Power Contactors	

CERTIFICATIONS & STANDARDS

UL2580 (Cell)
UN38.3
CE
SAE J1939 (2025)

Leveraging innovative technologies to create durable, high-power dense, fast charging batteries to ***accelerate electrification***



Ready to electrify?
sales@calogysolutions.com

GENERAL

ELECTRICAL

OPERATIONAL

SAFETY