

CENTERWATT

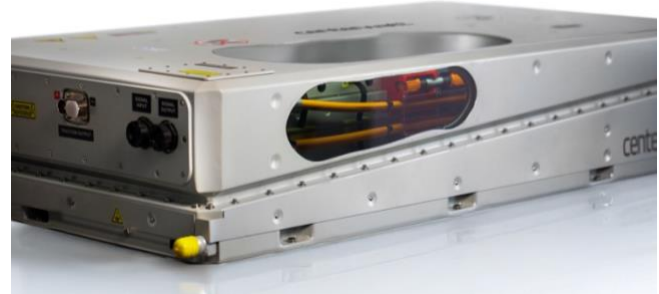
M-SERIES®

Mobility System Pack

37 kWh - 93 kWh

Fast Charging, High Energy Density, Longer Driving Range

CWATT-CM1-37-MOB | CWATT-CM1-93-MOB



Ideal for mobility applications



Public and Commercial Transportation, Industrial, Construction, Mining and Marine Applications

M-Series battery packs manufactured from NMC chemistry cells with high power density, increases efficiency for vehicles operating on routes suitable for long range and daily charging. Due to its high energy density, it is preferred in public transportation, construction machinery, and passenger vehicles.



Engineered for Durability and Reliability

M-Series battery pack is a high-energy density Nickel Manganese Cobalt (NMC) solution designed and built with a focus on safety, fast charging, and energy density

M-Series with its Nickel Manganese Cobalt (NMC) lithium-ion chemistry, are a leading choice for electric mobility due to their balance of performance, durability, and scalability.

With high energy density and robust power output, M-Series enable extended driving range and responsive acceleration.

M-Series optimizes trade-offs between energy, thermal stability, and cycle life and with our effective battery management systems, they offer long lifespans and reduced total cost of ownership.

Widely adopted across different electric mobility applications, with fast-charging capabilities, and strong cost-performance ratios, M-Series provide ideal solution for mid-to-high-end electric vehicles, industrial, construction and mining applications.



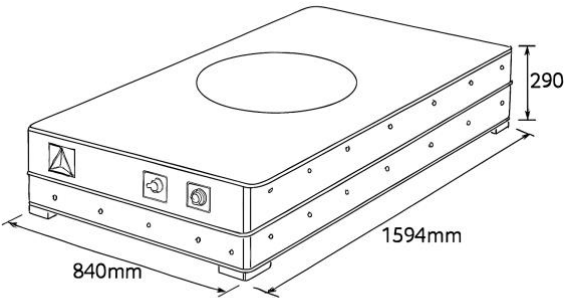
ELECTRICAL					
	CM1-37	CM1-56	CM1-56.5	CM1-57.7	CM1-93
Battery Cell	NMC				
Capacity	105 Ah	105 Ah	159 Ah	150 Ah	150 Ah
Installed Energy	37.3 kWh	55.9 kWh	56.5 kWh	57.7 kWh	93 kWh
Nominal Voltage (DC)	355 V	532 V	355 V	385 V	621 V
Voltage Range (Min–Max)	240-412 V	360-619 V	269-417 V	291-436 V	470-705 V
Continuous Charge Power	37.3 kW	55.9 kW	56.5 kW	58 kWh	46.5 kW
Peak Charge Power @10s	124 kW	186 kW	89 kW	69.6 kWh	62.1 kW
Continuous Discharge Power	56 kWh	87 kW	56.5 kW	58 kWh	93 kWh
Peak Discharge Power @10s	213 kW	213 kW	161 kW	160 kWh	155 kWh

CERTIFICATION AND COMPLIANCE
ECER100.2, ECER 10, UN38.3 ISO 26262, ASIL C
Compliant to codes and safety standards of all major markets

WARRANTY
>3000 Cycles @ 80DOD Up to 10 Years

MECHANICAL					
	CM1-37	CM1-56	CM1-56.5	CM1-57.7	CM1-93
Ingress Rating	IP67 (Module)				
Enclosure Dimensions (mm)	1100	1475	1090	1665	1594
	650	650	550	650	840
	354	354	482	285	290
Weight (kg)	270 ± 10	420 ± 10	345 ± 10	430 ± 10	618 ± 10
Operating Ambient Temperature	–30°C to 55°C (–22°F to 131°F)				
Cooling	Liquid				

COOLING	
Cooling Water Flow Rate	15 liters per minute
Cooling Type	Base Cooling
Cooling Fluid	50% Pure Water & 50% Glycol



UN38.3



Please read the safety and installation instructions.
Visit www.centerwatt.com
Paper version can be requested through support@centerwatt.com

Designed and engineered in USA/Türkiye
Made in Türkiye (Cells)
Systems Assembled in Türkiye

Visit www.centerwatt.com for more information
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M-SERIES®