

CENTERWATT

F-SERIES®

Mobility System Pack

47 kWh - 118 kWh

High Safety, High Energy Density, Low Budget

CWATT-CF1-47-MOB | CWATT-CF1-118-MOB



Ideal for mobility applications



Public and Commercial Transportation, Industrial and Marine Applications

F-Series battery packs, built with high-safety and high-power-density LFP chemistry cells, offers exceptional longevity and reliability. Its robust design makes it an ideal energy solution for demanding applications such as public transportation, marine vessels, heavy machinery, and passenger vehicles. With its easy accessibility and competitive pricing, it stands out as a smart and practical energy solution for a wide range of applications



Engineered for Durability and Reliability

F-Series battery pack is a high-performance lithium iron phosphate (LiFePO_4) solution designed and built with a focus on safety, longevity, and power density

Optimized Power and Energy: Engineered for high efficiency, delivering a balanced ratio of power output and energy capacity to support diverse operational demands

Parallel Topology: Allows multiple battery packs to be connected in parallel, enabling flexible scalability for high-capacity energy systems

Liquid-Cooled Thermal Management System: Actively regulates battery temperature through liquid cooling, enhancing safety, performance, and durability under heavy load or high ambient temperatures

Built-in Pre-Charge and Isolation Measurement Safety features enable controlled startup and electrical isolation testing, reducing risk during commissioning and maintenance procedures



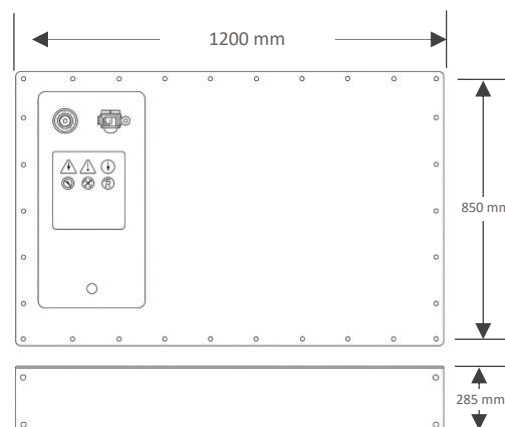
ELECTRICAL		
	CF1-47	CF1-118
Battery Cell	LFP	
Capacity	230 Ah	230 Ah
Installed Energy	47 kWh	118 kWh
Nominal Voltage (DC)	204 V	512 V
Voltage Range (Min–Max)	179.2-224 V	448-560 V
Continuous Charge Power	42.37 kWh	55.9 kWh
Peak Charge Power @10s	84.74 kWh	235 kWh
Continuous Discharge Power	42.37 kWh	59 kWh
Peak Discharge Power @10s	84.74 kWh	235 kWh

MECHANICAL		
	CF1-47	CF1-118
Ingress Rating	IP67 (Module)	
Enclosure Dimensions (mm)	1200 850 285	1200 850 285
Weight (kg)	380 ± 10	810 ± 10
Operating Ambient Temperature	–20°C to 50°C (–4°F to 122°F)	
Cooling	Liquid	

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

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

WARRANTY
>4000 Cycles @ 80DOD
Up to 10 Years



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

Due to ongoing innovation, improvements, and product enhancements, the technical specifications in this document are subject to change without notice.

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