CENTERWATT
CI-SERIES®

C&I Storage Systems

106 - 426 kWh nominal energy

Power-packed modular cabinets,
flexible energy on demand

CWATT-CI1-106 | CWATT-CI1-160 | CWATT-CI1-210
CWATT-CI1-266 | CWATT-CI1-318 | CWATT-CI1-372
CWATT-CI1-426

Ideal for versatile commercial
and industrial applications

Illustrative cabinet image

Commercial and Industrial Energy Storage

CI-Series are cabinet energy storage systems delivering flexible power, modular design for every application.

Engineered for Durability and Reliability

CI-Series systems utilize Lithium Iron Phosphate ($LiFePO_4$) cells to provide safe, reliable, and long-lasting energy for commercial and industrial applications.

With a modular architecture for scalable capacity, they deliver high efficiency and flexible energy management. Designed for integration with PCS, SCADA and EMS systems, these storage solutions support industrial self-consumption, grid stabilization, microgrid and off-grid applications, and EV charging infrastructure.

SHARED ELECTRICAL PERFORMANCE	
Battery chemistry	Lithium Iron Phosphate (LFP)
Round-trip efficiency	94% (25°C, 0.5C)
Cell capacity	320 Ah nominal / 314 Ah usable
Maximum continuous current	157 A (C/2)
Internal fuse rating	315 A

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Learn more about Centerwatt Energy Storage Systems
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TECHNICAL SPECIFICATIONS

Model	CI1-106 -05	CI1-160 -05	CI1-210 -05	CI1-266 -05	CI1-318 -05	CI1-372 -05	CI1-426 -05
Nominal energy (kWh)	106	160	212	266	318	372	426
Usable energy (kWh)	104	157	209	261	313	366	418
Max. continuous power (kW)	52	79	104	131	157	183	209
Configuration	104S1P	156S1P	208S1P	260S1P	312S1P	364S1P	416S1P
52S1P packs / cabinet	2	3	4	5	6	7	8
Nominal voltage (V)	332.8	499.2	665.6	832.0	998.4	1164.8	1331.2
Operating voltage (V)	312 - 358.8	468 - 538.2	624 - 717.6	780 - 897	936 - 1076.4	1092 - 1255.8	1248 - 1435.2
Net weight (kg)	1770	2130	2490	2850	3190	3570	3930

Model prefix: CWATT-. The -05 suffix denotes 0.5C. CWATT-CI1-210 has 212 kWh nominal energy.

MECHANICAL & ENVIRONMENTAL | ALL MODELS

Dimensions (W × D × H)	1300 × 1300 × 2374 mm
Material and finish	Steel - corrosion resistant powder coat
Thermal management	Integrated liquid chiller / PTC system
Maximum TMS power input	4.5 kW cooling / 3.5 kW heating
Coolant / chiller refrigerant	50% water / 50% ethylene glycol; R-513A
Operating / storage temperature	-30°C to 55°C / -20°C to 45°C
Relative operating humidity	0-95% (non-condensing)
Ingress rating	Outdoor IP55 (NEMA 3R)
Noise level at 1 m	≤ 75 dB
Auxiliary AC input	208/240 VAC single phase

CERTIFICATIONS & TESTING

UN38.3, UL1973, UL9540A, UL9540 DC ESS, IEC62619, IEC62933, IEC61000

Please read the safety and installation instructions. Paper version: support@centerwatt.com.
Technical specifications are subject to change without notice. Visit www.centerwatt.com for more information.
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