

CM2 Smart C&I All-in-One BESS

CM2 is an energy storage system designed based on the All-in-One concept, integrating components such as battery packs, PCS, BMS, EMS, temperature control systems, fire protection systems, electricity distribution systems, and monitoring systems. Through the built-in intelligent EMS system, it supports various scheduling strategies, including maximum self-consumption, TOU, and VPP. The CM2 system is highly integrated, and can be widely used in C&I energy storage scenarios.



E2E SecFort

- 5-layer defense architecture safeguarding C&I energy storage systems
- EI-60 cabinet: extreme-resistant insulation shields critical systems



All-in-One Space-efficiency Redefined

- Mission-critical power hub: 5-in-1 PCS with IP65 defense
- Container-grade energy density, compact C&I size



Omni-dimensional Value Engine

- AI profit engine: smart-EMS, spot market-linked, multi-mode strategies with 10%+ revenue
- Lifecycle performance management: 90%+ RTE, 8,000-cycle & AI thermal control compound your ROI
- Distributed architecture: 99.9% uptime with fault-tolerant clusters

CM2-99.9K-261 | CM2-125K-261

MODEL	CM2-99.9K-261	CM2-125K-261
Battery Parameter		
Battery Type [Ah]	LFP 314	
Battery Pack Capacity [kWh]	52.25	
Battery System Capacity [kWh]	261	
Rated Battery Voltage [V]	832	
Battery Pack Protection Level	IP67	
Charge\Discharge rate	0.5C	
Battery Cell Cycles	≥8000 cycles@70%EOL	
Battery Cooling Type	Liquid Cooling	
PCS Data		
Rated Outpput Power [kW]	99.9	125
Max Output Power [kW]	99.9	137.5
Max Current [A]	151.7A@380V 144A@400V	208.9A@380V 198.5A@400V
Nominal Voltage [Vac]	380/400,3L/N/PE	
Power Factor	> 0.99	
Adjustable Power Factor Range	1.0~-1.0	
THDi	< 3%	
Nominal Frequency [Hz]	50	
PCS Protection Level	IP65	
PCS Cooling Type	Smart Air Cooling	
System Parameter		
Round Trip Efficiency [%]	90%+ @0.25C,88%+@0.5C	
DoD[%]	0 ~ 100%	
Cabinet Protection Level	IP54	
Topology	Non-isolated	
Communication	WiFi/Ethernet/RS485	
Altitude [m]	2000	
Operation Humindity [%]	0~95%,non-condensing	
Operation Temperature [°C]	-25~+60	
Fire Protection	Pack Level Aerosol+Cabinet Aersol	
Demension [W*D*H][mm]	1030*1300*2250	
Corrosion Protection Level	C4	
Weight [kg]	< 2600	
Grid Code	CEI-021/CEI-016/EN50549-1/EN50549-2	
Safety/EMC	IEC 62619/IEC 62477-1/IEC 61000-6-2,4/UN 38.3	