

USP of CM2 (To distributor)

1. USP of CM2:

- ① Industry-Leading **5-in-1 Integrated PCS Design**:CM2 features SAJ's proprietary integrated PCS technology, consolidating five critical components into a single compact unit: 1) High-voltage control box (BMS inside);2) PCS; 3) 24V UPS; 4)Thermal management system; 5) Integrated fire control module; Delivering **IP65-rated protection** for superior dust/water resistance in harsh environments.
- ② Unrivaed 5-Tiered Safety Architecture: Full system compliance with stringent **UL9540A** fire safety certification. Built-in **Active combustible gas detection & forced ventilation**, Built-in **vertical venting panels** for rapid pressure release, EI-60 battery compartment (**50mm fire-resistant insulation**, 1~2h with 1200°C flame resistance);
- ③ Ultra-High Space Efficiency: Achieves unprecedented energy density of 181kWh/m² – more than double the density of comparable products. Benchmark comparison: Huawei LUNA2000 = 89kWh/m²

2. System Confi:

CM2 supports flexible configurations ranging from **hundreds of kWh to tens of MWh** through its modular architecture, adapting seamlessly to diverse project scales. A single Block (all units connected to the same low-voltage transformer bus) can integrate up to **20 CM2 units**, managed and dispatched by one CM2-EMS for centralized control. CM2 enables multiple smart applications:

- ✓ AC-coupled PV-storage integration (maximizing self-consumption)
- ✓ Time-of-Use (TOU) optimization
- ✓ Peak shaving
- ✓ Virtual Power Plant (VPP) participation
- ✓ Electricity trading via third-party EMS systems

CM2 Configuration Table																				
kWh																				
261	1																			
522		2																		
783			3																	
1044				4																
1305					5															
1566						6														
1827							7													
2088								8												
2349									9											
2610										19										
2871											11									
3132												12								
3393													13							
3654														14						
3915															15					
4176																16				
4437																	17			
4698																		18		
4959																			19	
5220																			20	
kW	125	250	375	500	625	750	875	1000	1125	1250	1375	1500	1625	1750	1875	2000	2125	2250	2375	2500

EMS Confi																			
CM2-EMS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CM2-EMS-Switch													1	1	1	1	1	1	1

Current Transformer																			
Quantity	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Recommendation CT	250A	500A	1000A	1000A	1000A	1500A	1500A	2000A	2000A	2000A	3000A	3000A	3000A	3000A	3000A	4000A	4000A	4000A	4000A

*The selection of power meters needs to comprehensively consider factors such as load, energy storage, photovoltaics, and transformer capacity. The recommended specifications here only take into account the capacity of the energy storage system; please refer to the specifications recommended by the designer for actual selection.
SAJ only provides CTs with a maximum of 2000A. If the project requires specifications exceeding this, please have the installer or EPC procure them from the market. The secondary side output requirement is 5A, with an accuracy of 0.2(prefered) or 0.5.