

USP of CHS2 (To Distributor)

1. USP of CHS2:

- ① ALL IN ONE, ONE FOR ALL: It uniquely integrates PV inverter, battery energy storage system (ESS), and a built-in Static Transfer Switch (STS). This unique STS design enables seamless off-grid backup for entire systems, supporting up to 10 units in parallel – providing unparalleled resilience for critical commercial & industrial operations.
- ② Maximize Solar ROI: 200% PV Over-Sizing & Advanced Power Management.Unlock significantly higher solar utilization with industry-leading 200% PV over-sizing capability. A single 50kW CHS hybrid inverter can connect up to 100kWp of solar panels, thanks to its 6 integrated MPPT trackers. Intelligently manage this abundant power: simultaneously charge batteries at 50kW while powering critical loads at 50kW, maximizing self-consumption and minimizing grid dependence.
- ③ SAJ Engineered & Supported: Unmatched Long-Term Reliability.Gain confidence from true vertical integration. SAJ doesn't just integrate components; we design and manufacture the core technologies in-house – the inverter, BMS, and EMS etc.. This SAJ-origin direct, long-term manufacturer technical support and service, delivers superior system-level reliability and stability far exceeding simple inverter-battery (from 3rd supplier) integrations.

2. System Confi:

CHS2 delivers robust grid-tied and off-grid capabilities. Through system parallel configuration and CB2 expansion, CHS2 can cater to customers of varying scales, as detailed in the table below:

KWh							
4000							10*CHS2-50/100 +30*CB2-100kWh
2000							10*CHS2-50/100 +10*CB2-100kWh
1000					6*CHS2-50/100 +4*CB2-100kWh		10*CHS2-50/100
800			2*CHS2-50/100 +6*CB2-100kWh	4*CHS2-50/100 +4*CB2-100kWh		8*CHS2-50/100	
600					6*CHS2-50/100		
400		1*CHS2-50/100 +3*CB2-100kWh	2*CHS2-50/100 +2*CB2-100kWh	4*CHS2-50/100			
200		1*CHS2-50/100 +1*CB2-100kWh	2*CHS2-50/100				
100	CHS2-29. 9/100	CHS2-50/100					
57	CHS2-29. 9/57						
kW	29. 9	50	100	200	300	400	500

eManage-C1 Pro	/	/	1	1	1	1	1
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Current Transformer							
Quantity	3	3	3	3	3	3	3
Recommendation CT	250A	250A	250A	500A	500A	1000A	1000A

*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 offers CTs ranging from 250A to 2000A. Customers may also choose compatible CTs within this specification range.