

CH2 SERIES


HYBRID SOLAR INVERTER



CH2-29.9K-T4 | CH2-30K-T4 | CH2-40K-T5
CH2-50K-T6 | CH2-63K-T6

22.5A Max 22.5A input current to better match high power panel


200% 200% PV oversizing


 AC retrofit & easy installation

10 Parallel connection up to 10PCS, easy for expansion

UPS With UPS function switch time $\leq 10\text{ms}$

100% Supported 100% three phase voltage imbalance

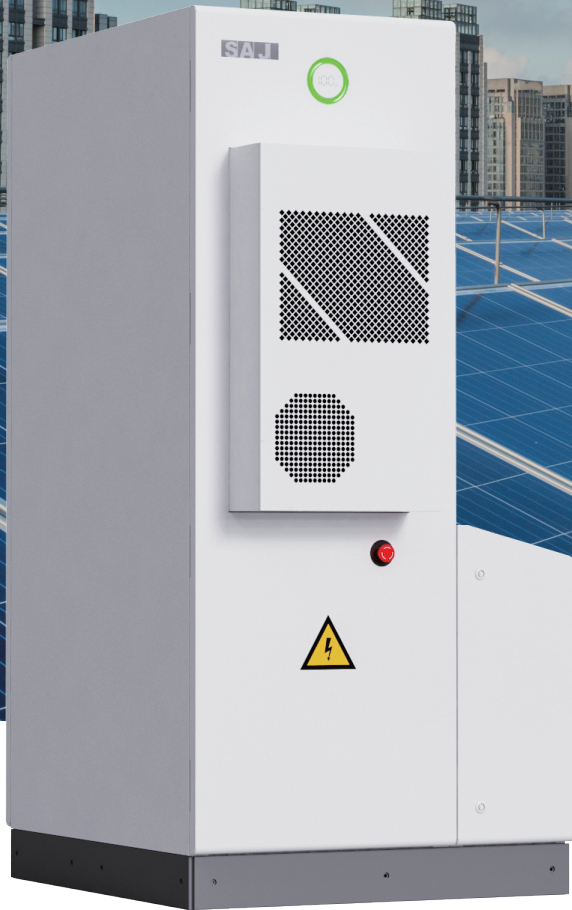
 Type II AC & DC surge protection

 Generator compatibility

MODEL	CH2-29.9K-T4	CH2-30K-T4	CH2-40K-T5	CH2-50K-T6	CH2-63K-T6
DC Input					
Max. PV Array Power [Wp]@STC	59800	60000	80000	100000	126000
Max. DC Voltage [V]	1000				
MPPT Voltage Range [V]	180 ~ 850				
Rated DC Voltage [V]	600				
Start Voltage [V]	200				
Max. DC Input Current [A]	4*45		5*45		6*45
Max. DC Short Circuit Current [A]	4*56.5		5*56.5		6*56.5
Number of Strings per MPPT	2		2		2
Battery Parameters					
Battery Type	LiFePO4				
Battery Voltage Range [V]	180 ~ 800				
Max. Charging/Discharging Current [A]	3*50				
AC Output [On-grid]					
Rated AC Power [W]	29900	30000	40000	50000	63000
Max. Apparent Power [VA]	29900	33000	44000	55000	63000
Rated Output Current [A]@230V	43.3	43.5	58.0	72.5	91.3
Max. Output Current [A]@230V	43.3	47.9	63.8	79.8	91.3
Rated AC Voltage/Range [V]	3+N+PE/ 3+PE, 380/ 400				
Rated Output Frequency/Range [Hz]	50,60/45 ~ 55,55 ~ 65				
Power Factor [cos φ]	0i - 1 - 0c				
Total Harmonic Distortion [THDi]	<3%				
AC input [On-grid]					
Rated AC Voltage/Range [V]	3+N+PE/ 3+PE, 380/ 400/ 415				
Rated Output Frequency [Hz]	50,60				
Max. Input Current [A]	150				
AC Output [Back-up]					
Max. Output Power [VA]	29900	33000	44000	55000	63000
Peak Output Apparent Power [VA]	29900	45000,5s	60000,5s	75000,5s	75000,5s
Rated AC Voltage/Range [V]	3+N+PE/ 3+PE,380/ 400				
Rated Output Frequency/Range [Hz]	50,60/45 ~ 55,55 ~ 65				
Output THDv (@ Liner Load)	<3%				
AC Input [Generator]					
Max. Input Power [W]	29900	30000	40000	50000	63000
Max. Input Current [A]@230V	43.3	43.5	58.0	72.5	91.3
Rated Input Voltage [V]	3+N+PE/ 3+PE,380/ 400				
Rated Input Frequency/Range [Hz]	50,60/45 ~ 55,55 ~ 65				
Efficiency					
Max. Efficiency	98.6%				
Euro Efficiency	98.0%				
Max. Battery to AC Efficiency	96.0%				
Protection					
PV Reverse Polarity Protection	Integrated				
Anti-islanding Protection	Integrated				
AC Overcurrent Protection	Integrated				
AC Short Circuit Protection	Integrated				
AC Overvoltage Protection	Integrated				
DC Switch	Integrated				
DC Surge Protection	II				
AC Surge Protection	II				
AFCI	Integrated				
RSD	Optional				
General Parameters					
Communication	Wi-Fi/Ethernet/CAN/RS485				
Topology	Transformerless				
Operating Temperature Range	-40°C to +60°C (45°C to 60°C with derating)				
Cooling Method	Smart Fan Cooling				
Ambient Humidity	0-100% Non-condensing				
Altitude [m]	3000				
Ingress Protection	IP66				
Dimensions [H*W*D] [mm]	630*630*290				
Weight [kg]	76				
Warranty [Year]	5/10				
Standard	VDE4105, IEC61727/62116, VDE0126, AS4777.2, CEI 0 21, EN50549-1, G98, G99, C10-11, UNE217002, NRS097, NBR16149/NBR16150, IEC62109-1/-2, NBT32004-2018, EN61000-6-1,EN61000-6-2,EN61000-6-3, EN61000-6-4				

CB2 SERIES

C & I ENERGY STORAGE BATTERY SYSTEM



CB2-57.3-HV5 | CB2-71.6-HV5
CB2-85.9-HV5 | CB2-100.3-HV5



Adopting IP55 outdoor cabinet design, easy to transport and install



Adopting high-performance 280Ah lithium iron phosphate battery, safe and reliable



Supporting 4 clusters in parallel, flexible in expansion



All-in-one system design, supporting inverter wall-mounted



Integrating a variety of sensors, and data viewable in the monitoring platform



Integrating aerosol fire extinguishing unit