10-25kW Three-phase Hybrid All-in-one RESS

A Series H10/15/20/25T

A10000T/A15000T/A20000T/A25000T-E + B8900M-HAW

10kW/15kW/20kW/25kW
8.9kWh-26.7kWh / 8.9Kwh-160.2kWh

- 4 independent MPPTs with up to 300% PV oversizing
- Inverter parallel function, up to 6 units (25-150kW), Battery parallel function, up to 6 clusters per inverter(8.9-160kWh)
- Support 100% three-phase unbalanced output
- 18cm ultra-slim design
- Stackable integrated design, 50% faster installation and commissioning time
- Heating function - working conditions -20°C
- 20kW High-Performance Rapid Response for Dynamic Tariffs
- The phase sequence does not matter, ensuring easier and more flexible installation
- Backup load transfer time ≤10ms
- Built-in by-pass switch—in the event of system failure



hinen

A better world powered by you

Technical Specification

Model	A10000T	A15000T	A20000T	A25000T-E
PV Input Specification				
Recommended max. PV input power(W)	30000	30000	30000	30000
Max. PV input voltage(V)	1000			
Start Voltage(V)	120			
Rated PV input voltage(V)	600			
MPPT voltage range(V)	140–950			
No. of independent MPPT inputs	4	4	4	4
No. of PV strings per MPPT	1 / 1 / 1 / 1	1 / 1 / 1 / 1	1 / 1 / 1 / 1	1 / 1 / 1 / 1
Max. input current per string (A)	16 / 16 / 16 / 16	16 / 16 / 16 / 16	16 / 16 / 16 / 16	16 / 16 / 16 / 16
Max. short-circuit current(A)	22 / 22 / 22 / 22	22 / 22 / 22 / 22	22 / 22 / 22 / 22	22 / 22 / 22 / 22
Battery Specification				
Battery type	$LiFePO_4$			
Battery voltage(V)	120-600			
Max charge / discharge current(A)	45 / 45			
Max charge / discharge power(W)	20000/20000	20000/20000	20000/20000	20000 / 20000
Communication	CAN			
Charging strategy	BMS instructions			
Battery expansion	1~3 series-connected 8.9kWh high-voltage battery modules per cluster			
Inverter Expansion	Support 6 inverters parallel			
Grid Port Specification				
Max AC input apparent power(VA)	9999	15000	20000	20000
Max. AC input current(A)	30.4	30.4	30.4	38
Max AC output apparent power(VA)	9999	15000	20000	25000
Rated AC output power(W)	9999	15000	20000	25000
Max. AC output current(A)	15.2	22.8	30.4	38
Rated AC output current(A)	14.5	21.8	29	36.3
Rated AC voltage	400 / 230, 3L/N/PE			
Rated grid frequency	50/60			
THDI @Full load	< 3%			
Power factor	>0.99(0.8 leading – 0.8 lagging)			

Technical Specification

Model	A10000T	A15000T	A20000T	A25000T-E
Backup Port Specification				
Max AC output apparent power(VA)	10000	15000	20000	20000
Rated AC output power(W)	10000	15000	20000	20000
Peak AC output power(W)	20000	20000	20000	20000
Max AC output current(A)	29Aa.C.	29Aa.C.	29Aa.C.	29Aa.C.
AC nominal voltage*(V)	400Va.c./230Va.c.,3L/N/PE			
AC nominal frequency*(Hz)	50 / 60			
THDV @Linear load	< 3%			
Backup switch time(ms)	< 10			
Efficiency				
Max efficiency(%)	98.0	98.0	98.0	98.0
European efficiency(%)	97.4	97.4	97.4	97.4
Protection & Function				
DC switch	Yes			
PV reverse polarity protection	Yes			
BAT reverse protection	Yes			
Output AC overcurrent protection	Yes			
Output AC overvoltage Protection	Yes			
Anti-islanding protection	Yes			
Residual current detection	Yes			
Insulation resistance detection	Yes			
Active anti-islanding method	Yes (Frequency Shift)			
Over Voltage Category	DC type II / AC type III			
General Information				
Topology (solar / battery)	Transformerless / Transformerless			
Degree of protection	IP65			
Dimensions* (W * H * D)(mm)	730*637*180(±4)			
Weight*(kg)	59(±3)			

Technical Specification

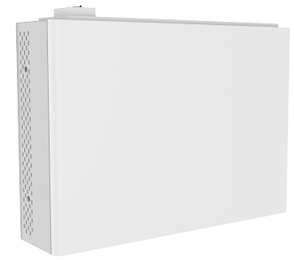
Model	A10000T	A15000T	A20000T	A25000T-E
Installation type	Floor stand			
Operating ambient temperature(℃)	-25–60(>45℃ derating)			
Relative humidity (Non-condensing)(%)	0–100			
Cooling method	Fan cooling			
Noise(MAX)(dB)	＜45			
Max. operating altitude(m)	3000			
Display	LCD+APP			
Monitor	RS485 / WIFI			
DC connection	MC4			
AC connection	5P Connector			
Warranty*	10 Years			
Certification & Standard				
Certification	CB, CE, UKCA, SONCAP, RCM, ROHS			
Standard	IEC/EN 62109-1, IEC/EN 62109-2, IEC 62619, IEC 60730-1 Appendix H,IEC/EN 62368-1, EN IEC 61000-6-1/3, IEC 61 000-2-2, CISPR 11, IEC 60529, IEC 60068-2-52,AS/NZS 4777.2, IEC 60947.1, AS 60947.3, VDE-AR-N 4105, EN 50549-1,G98, G99, UN 38.3, MSDS			

Dimensions (W * H * D)*:Total dimension of inverter and control box.
Weight*:Total weight of inverter and control box.
Warranty*:Refer to the product warranty terms for details.

Technical Specification

Model	A10000T/A15000T/A20000T/A25000T-E
Hybrid inverter Rated AC output power Dimension (W*H*D) Weight	10000W / 15000W / 20000W / 25000W 730mm*637mm*180mm ≈59kg 
Control box	Built-In Grid / Backup / DC circuit Breaker 

Technical Specification

Model	B8900M-HAW
High Voltage Battery Management System Operating Voltage Max.Charge / Discharge Current Operating Temperature Ingress Protection Dimension (W*H*D) Weight	135~583.2VDC 52A -20°C~60°C IP65 730*160*180mm 10kg 
Battery Module Battery Type Nominal Voltage Rated Capacity Rated Energy Max. Charge / Discharge Current Charge Temperature Discharge Temperature Ingress Protection Dimension (W*H*D) Weight	LiFePO4(LFP) 172.8V 52Ah 8.985kWh 52A 0°C~55°C -20°C~60°C IP65 730*510*180mm 83kg 
Battery Module Base Dimension (W*H*D) Weight	730*40*180mm 5.8kg 