HYBRID INVERTER

CHB-5k/6k/8k/10k/12kT-HA



PRODUCT APPEARANCE

FUNCTIONAL CHARACTERISTICS

Reliable

- Type II surge protection
- IP65,C4 salt spray design
- Support AFCI and RSD, ultimate peace of mind

Simple

- 30mins quick installation
- Easy working mode, set and forget
- Automatic ON/OFF-Grid switching time <10ms

Efficient

- 160% PV oversizing, 110% overclock output
- 150~600V wide battery voltage range, 35A fast charge/discharge
- 16A PV current wide adaptation

Intelligent

- Smart working logic
- Generator&heat pump control
- Mobile & PC platform management

TECHNICAL SPECIFICATIONS

Product Model	CHB-5kT-HA	CHB-6kT-HA	CHB-8kT-HA	CHB-10kT-HA	CHB-12kT-HA
PV Input					
Max. Array Power (W)	10000	12000	16000	20000	24000
Max. Input Power (W)	5000/3000	6000/4000	6400/6400	6400/4800/4800	6400/6400/6400
Max. Input Voltage (V)	1000				
Start-up Voltage (V)	180				
Mppt Operating Voltage Range (V)	140 - 980				
Max. Input Current (A)	36(18 / 18)	36(18 / 18)	36(18 / 18)	54(18 / 18*2)	54(18 / 18*2)
Max. Short-circuit Current (A)	60(30 / 30)	60(30 / 30)	60(30 / 30)	90(30 / 30*2)	90(30 / 30*2)
Number of MPPT Trackers	2				
Max. Input Number Per MPPT Tracker	1 / 1	1 / 1	1 / 1	1 / 2	1 / 2
AC Input / Output					
Nominal Output Power (W)	5000	6000	8000	10000	12000
Max. Output Apparent Power (VA)	5500	6600	8800	11000	13200
Max. Input Apparent Power (VA)	10000	12000	16000	20000	24000
Nominal Output Current (A)	7.6	9.1	12.2	15.2	18.2
Max. Output Current (A)	8.5	10.1	13.5	16.9	21.0
Max. Input Current (A)	15.2	18.2	24.3	30.4	36.4
Nominal Output Voltage (V)	3 / N / PE, 220 / 380, 230 / 400, 240 / 415				
THDi	<3%				
Frequency (Hz)	45 ~ 55; 55 ~ 65				
Adjustable Power Factor	0.8 leading...0.8 lagging				
DC Current Injection	< 0.5% In				
Back-Up(AC Output)					
Nominal Output Power (VA)	5, 00	6000	8000	10000	12000
Max. Continues Output Apparent Power (VA)	5500	6600	8800	11000	13200
Peak Output Power (W)	7500; 10s	9000; 10s	12000; 10s	15000; 10s	18000; 10s
Nominal Output Current (A)	7.6	9.1	12.2	15.2	18.2
Max. Output Current (A)	11.4	13.7	18.2	22.8	27.3
Switch Time (ms)	<10				
Battery					
Battery Type	LiFePO4				
Battery Voltage Range (V)	150 - 600				
Max. Charge/Discharge Current (A)	40				
Max. Charge/Discharge Power (W)	5500	6600	8800	11000	13200
Efficiency					
Max. Efficiency	98.60%				
European Weighted Efficiency	98.20%				
MPPT Efficiency	99.90%				
Battery Charge/ Discharge Efficiency	97.50%				
Protection					
DC Insulation Resistance Detection	Yes				
Residual Current Monitoring Unit	Yes				
DC Reverse Polarity Protection	Yes				
AC / DC Surge Arrester	Type II				
DC Switch	Yes				
Anti-islanding Protection	Yes				
AC Over Current Protection	Yes				
AC Short-circuit Protection	Yes				
AC Over Voltage Protection	Yes				
Grounded Fault Detection	Yes				
General Data					
Operating Temperature Range (° C)	-25 ~ + 60				
Relative Operating Humidity (RH)	0 ~ 100 %				
Max. Operating Altitude (m)	4000				
Cooling	Natural cooling				
Display	LED / App / Web				
Communication	CAN / RS485 / WIFI / 4G / LAN				
Weight (kg)	25				
Dimensions (W*H*D mm)	542*478*186				
Degree of Protection	IP65				
Mounting	Wall Mounted				

- Design and specifications are subject to change without notice.