

Product features:

- ▶ Elegant all in one design
- ▶ Wide MPPT range
- ▶ MAX. 120% rated AC output power
- ▶ Up to 6 systems in parallel
- ▶ uninterrupted power supply
- ▶ Convenient installation
- ▶ Low noise emission
- ▶ Safest LFP battery



All In One Solar System
CHIEF AIO series 1-phase
3.6~6kW

Model	CHCI-3.6K	CHCI-5.0K	CHCI-6.0K
PV Input			
Max. PV input Voltage [V]		600	
MPPT Voltage Range [V]		100-550	
Max. DC Input Power [W]	4800	6650	8000
Start-up Voltage [V]		90	
Rated Operating Voltage [V]		360	
Max. Input Current [A]		12.5/12.5	
Isc PV[A]		18/18	
NO of MPPT Trackers		2	
NO of Strings per MPP Tracker		1	
Battery input			
Battery Capacity [kWh]		LiFePO4 5.12/10.24	
Nominal Battery Voltage [V]		254.8/409.6	
Battery Voltage Range [V]		160-227.2/320-454.4	
Max. Charge/Discharge Current [A]		25/25	
AC Input/Output			
Rated Output Power [W]	3600	5000	6000
Max. Apparent Power [VA]	5960	5500	6000
Max. Apparent Power from Grid [VA]	7200	10000	12000
Rated Voltage [V]		220/230/240	
Rated Frequency [Hz]		50/60	
Rated AC Current to Grid[A]	16	21.7	26.1
Rated AC Current from Grid[A]	32	43.4	52.2
Displacement Power Factor		1(-0.8 ~ +0.8 adjustable)	
THDi		< 3%	
EPS Output (With Battery)			
Max. Output Power [W]	3600	5000	6000
Max. Apparent Power [VA]	4320.60s	6000.60s	7200.60s
Rated Voltage [V]		230 (+/-2%)	
Nominal Frequency [Hz]		50/60 (+/-2%)	
Max. Output Current [A]	18.8	26.1	31.3
Switch time [ms]		<10	
Efficiency			
PV Max. Efficiency[%]		97.6	
PV Europe Efficiency[%]		97	
PV Max. MPPT Efficiency[%]		99.9	
Battery Charge by PV Max. Efficiency[%]		98	
Battery Discharge Efficiency [%]		96.7	
Protection			
Over/Under voltage protection		Yes	
DC isolation protection		Yes	
Over current protection		Yes	
DC injection monitoring		Yes	
Residual current detection		Yes	
Anti-islanding protection		Yes	
Over load protection		Yes	
Battery Input reverse polarity protection		Yes	
PV reverse polarity protection		Yes	
Surge protection		Yes	
Over heat protection		Yes	
General Data			
Dimension (W/D/H)(mm)	550*233*1125	CEEG-BXB5_12	CEEG-BXB10_24
Dimension of Packing (W/D/H)(mm)	645*302*1370		550*233*1750
Net weight [kg]	68		645*302*2050
Gross weight [kg]	78		115
Operation Temp [°C]			130
Relative Humidity[%]		-25 ~+60	
Altitude [m]		<= 4000 (+3000 Derating)	
Ingress Protection		IP65	
Cooling		Natural	
Inverter Topology		Non-isolated	
Human Interface		LED/APP	
BMS Communication Interface		RS485/CAN	
Meter Communication Interface		RS485	
Noise Emission [dB]		< 25	
Standby Power Consumption [W]		< 5	