Product features:

- Moduler design, convenient for capacity expansion
- Multiple charging ways, adaptable to different applications
- Uninterrupted power supply function
- Up to 9 systems in parallel
- Active equilibrium to optimize battery performance and extend life cycle
- MAX. 200% rated output power to support impact load
- Intelligent adjustable speed fan, efficient heat dissipation

All In One Solar System

CHIEF AIO series off grid 3.5~5.5kW

Model	CHIEF-3.5-OG	CHIEF-5.5-OG
Rated Power	3500VA/3500W	5500VA/5500W
Input		
Voltage [V]	230	
Selectable Voltage Range [V]	90-280	
Frequency Range [Hz]	50/60(Auto sensing)	
Output		
ACVoltage Regulation(Batt.Mode)	230±5%	
Surge Power [VA]	7000	11000
Efficiency(Peak)	up to 93.5%	
Transfer Time [ms]	20	
Waveform	Pure sine wave	
Barrery		
Batter Voltage [V]	24	48
Floating Charge Voltage [V]	27	54
Overcharge Protection [V]	33	63
Solar Charger & AC Charger		
Maximum PV Array Open Circuit Voltage [V]	500	500
Maximum PV Array Power [W]	5500	5500
MPPT Range @ Operating Voltage [V]	120~450	120~450
Maximum Solar Charge Current [A]	80	80
Maximum AC Charge Current [A]	80	80
Maximum Charge Current [A]	100	100
Physical		
Dimension,DxWxH(mm)	588x195x310	
Net Weight(kg)	9	10
Communication Interface	RS485/RS232	
Environment		
Humidity	15% to 95% Relative Humidity(Non-condensing)	
Operating Temperature	-10℃ to50℃	
Storage Temperature	-15℃ to 60℃	

Model	CUBE-5.12-A
Battery	
Batteries materials	Lithium iron phosphate
Series parallel mode (S series, P parallel)	16S1P
Nominal voltage [V]	51.2
Nominal capacity	100Ah
Size（mm）	588*195*430
Weight(kg)	65
Charging way	CP/VP
Charging current [A]	50
Maximum charging current [A]	100
Charge cut-off voltage [V]	58.4
Discharge way	CP/VP
Discharging current [A]	50
Maximum discharging current [A]	100
Discharge cut-off voltage [V]	44.8
Display	LCD
Communication interface	RS485/RS232/CAN
Charging operating temperature	charging:0~+50℃
Discharge operating temperature	discharge:-20~+55℃
The quality assurance period	60 months