

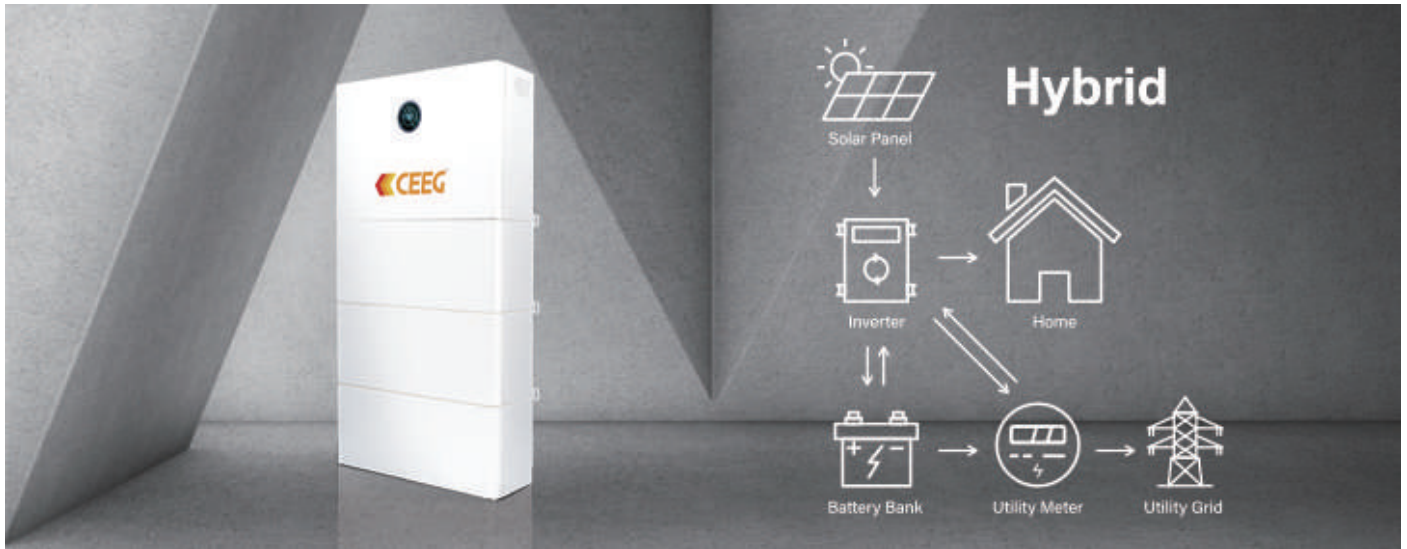


CEEG[®]

All In One Solar System^{NEW}

Model

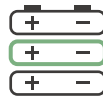
All In One Solar System



FEATURES



Integrated hybrid inverter
Supports DC and AC input
Suitable for new and installed PV systems



Modular battery system, Easy to install and transport
Capacity options from 7.68kWh to 15.36kWh



Lithium iron phosphate batteries
More than 6000 times cyclelife



Multiple energy storage modes
Guarantees household power supply
Seamlessly switch to backup in case of power failure



Supports Wi-Fi and cellular communication
Remotely monitor generation and consumption



Supports high current, power input and output
Safety and security

Model

All In One Solar System



CHIEF-5.0k



CHIEF-8.0k



CHIEF-10.0k



CHIEF-12.0k

PV Input

Absolute max Voltage (d.c.V)	1000			
MPPT Voltage Range (d.c.V)	200~750			
Max. DC Input Power (W)	7500	10000	12000	12000
Start-up Voltage (d.c.V)	200			
Max. Input Current (d.c.A)	15			
Isc PV (d.c.A)	20			
NO. of MPP Trackers	2			
NO. of Strings per MPP Tracker	1			

Battery

Full Load Rated Operating Voltage (d.c.V)	254.4-345.6	381.6-518.4	381.6-518.4	508.8-691.2
Max. Charge/Discharge Current (d.c.A)	25			
Total capacity (kWh)	7.68/11.52/15.36	7.68/11.52/15.37	7.68/11.52/15.38	7.68/11.52/15.39

AC Input/Output

Rated output Power (W)	5000	8000	10000	12000
Rated Apparent Power to Grid (VA)	5000	8000	10000	12000
Max. Apparent Power to Grid (VA)	5000	8000	10000	12000
Max. Apparent Power from Grid (VA)	10000	16000	16600	20000
Rated Voltage (a.c.v)	380/400			
Rated Frequency (Hz)	50/60 (±0.2%)			
Rated AC Current to Grid (a.c.A)	7.2	11.6	14.4	17.4
Rated AC Current from Grid (a.c.A)	14.4	23.2	24.1	29
Max. output fault current (a.c.A)	30(rms),42.42(peak)			
AC output Maximum output overcurrent protection (a.c.A)	30			
AC input power factor	[-0.9~0.9]			
AC output power factor	1[-0.9...+0.9 adjustable]			
THDi	<3%			

EPS Output (With Battery)

Max. Output Power (W)	5000	8000	10000	12000
Rated Apparent Power (VA)	6000	9600	12000	12000
Max. Apparent Power (VA)	6000	9600	12000	12000
Rated Voltage (a.c.V)	380/400			
Norminal Frequency (Hz)	50/60 (±0.2%)			
Rated Output Current (a.c.A)	8.7	13.9	17.4	17.4
Max. output fault current (a.c.A)	30(rms),42.42(peak)			
EPS output Maximum output overcurrent protection (a.c.A)	30			
Switch time (ms)	<10			
THDv @Linear Load (%)	<3%			
Power Factor	[-0.9~0.9]			

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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
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)	[W:724;D:262;H=700(Inverter)+n*300(Battery box),n≤4]
Net weight (kg)	230
Operation Temp °C	[-25~60]
Relative Humidity (%)	0...95
Altitude(m)	≤3000
Ingress Protection	IP65
Cooling	Natural
Inverter Topology	Non-isolated
Over voltage category	III (AC), II (DC)
Protective class	Class I
Active anti- islanding method	frequency shift
Human Interface	LED/APP
BMS Communication Interface	SPI
Noise Emission (dB)	<25
Standby Power Consumption (w)	<5

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