

OFF GRID SERIES

Off Grid All-in-One Energy Storage System



RELIABLE POWER SUPPLY

EPS output power goes up to 12kw



LONG LIFESPAN

Market-leading 10-year warranty



SMART ENERGY MANAGEMENT

UPS switch time within 10ms when the grid off



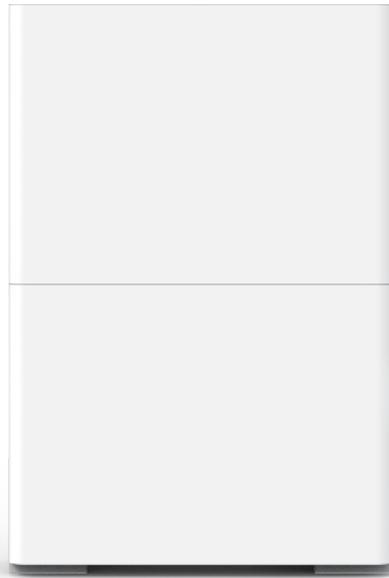
HIGH PROTECTION

IP66 (dustproof and waterproof)

CHIEF-5-0G

Rated Power	5000VA/5000W
INPUT	
Voltage	230 VAC
Selectable Voltage Range	170-280 VAC (For Personal Computers); 90-280 VAC (For Home Appliances)
Frequency Range	50 Hz/60 Hz (Auto sensing)
OUTPUT	
AC Voltage Regulation (Batt. Mode)	230VAC \pm 5%
Surge Power	10000VA
Efficiency (Peak)	up to 93.5%
Transfer Time	10 ms (For Personal Computers); 20 ms (For Home Appliances)
Waveform	Pure sine wave
SOLAR CHARGER & AC CHARGER	
Maximum PV Array Open Circuit Voltage	500 VDC
Maximum PV Array Power	5000W
MPPT Range @ Operating Voltage	120~450 VDC
Maximum Solar Charge Current	100A
Maximum AC Charge Current	80A
Maximum Charge Current	100 A
PHYSICAL	
Dimension, D x W x H (mm)	588X310X195
Net Weight (kgs)	10
Communication Interface	USB/RS232
ENVIRONMENT	
Humidity	5% to 95% Relative Humidity (Non-condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 60°C
The quality assurance period	12 months

High Voltage LFP Battery



LONGE LIFESPAN

> 10,000 cycles backed by Ceegeess
5-years authoritative warranty



FAST CHARGING & DISCHARGING

Compatible to charge/discharge at 0.5C and 1C,
but at 0.5C is recommended



HIGHLY COMPATIBLE

Compatible with UPS applications with on/off-grid
shifting times as low as 40 ms



PEAK SHAVING

Discharge at time of peak demand to reduce
expensive demand charge



STRONG STABILITY

Multiple battery protections including communication, MOS,
2nd fault mandatory protection to enable overall full protection



UNIQUE SAFETY

Protection rating at IP65, cell-level independent fire-proof design,
fire-resistant material can be exposed to 1200 degrees Celsius flame



QUICK INSTALLATION

Plug-and play connection saves 40% of installation time

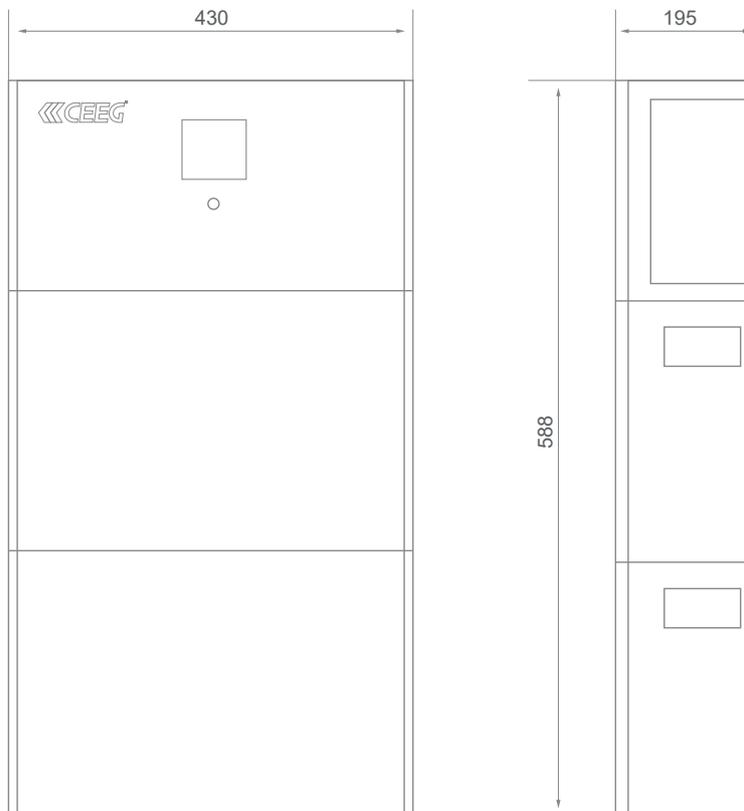
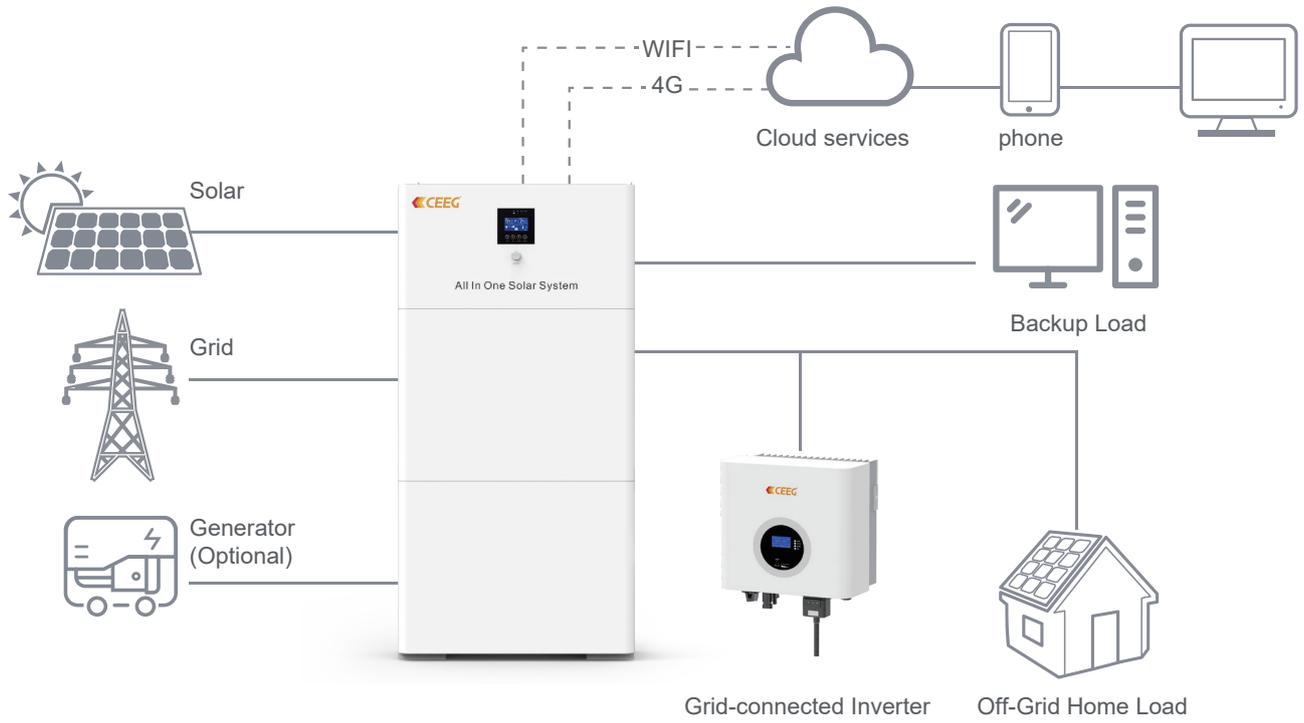


ARBITRAGE

Carry out arbitrage by using peak and valley electricity
prices in different time periods

Lithium battery

Batteries materials	Lithiumiron phosphate	Lithium iron phosphate
Series parallel mode (S series, P parallel)	16S1P	16S1P
Nominal voltage	51.2V	51.2V
Nominal capacity	100Ah	200Ah
Size(mm)	588X430X195	588X430X195
Weight	48kg	94kg
Color	Optional	Optional
Charging way	CP/VP	CP/VP
Charging current	0.2C(standard)	0.2C(standard)
Maximum charging current	Max0.5C @25°C	Max0.5C @25°C
Charge cut-off voltage	58.4V/CELL	58.4V/CELL
Discharge way	CP/VP	CP/VP
Discharge current	1C	1C
Maximum discharge current	Max 1C @25°C	Max 1C @25°C
Discharge cut-off voltage	44.8V	44.8V
According to	LCD	LCD
Communication interface	RS485/RS232/CAN	RS485/RS232/CAN
Charging operating temperature	charging:0~+50°C	charging:0~+50°C
Discharge operating temperature	discharge:-20~+55°C	discharge:-20~+55°C
The quality assurance period	60 months	60 months



OFF GRID series hybrid all-in-one battery energy storage system Size