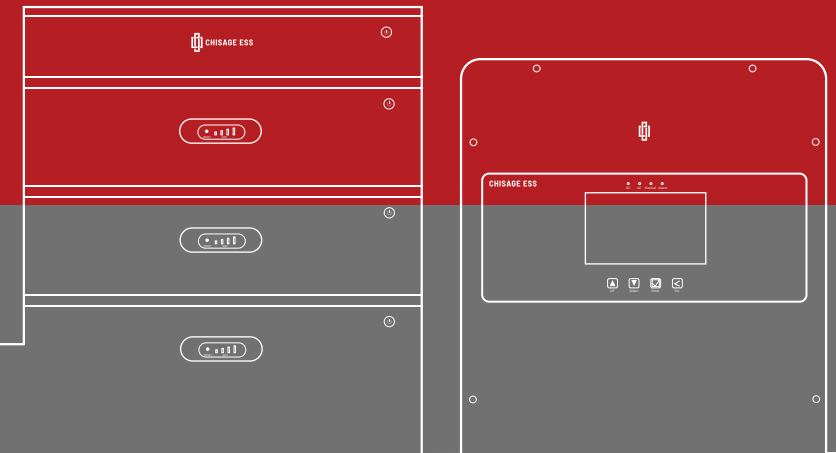




CHISAGE ESS PRODUCT CATALOG

Leading The Innovation Of Energy



CHISAGE ESS

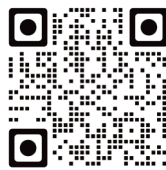
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Chisage ESS Product Catalog V2.4.11 EN



Chisage ESS Official Website



CHISAGE ESS

www.chisagess.com



**LEADING THE
INNOVATION OF ENERGY**



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ABOUT CHISAGE ESS

Chisage ESS is the holding subsidiary of Chisage group which was founded in **1998**. After over **25 years** of accumulation and growth, we have developed into a modern enterprise with more than **5,000 employees** and **4.5 Billion USD** in sales revenue. Our business range has been across seven major fields, including apparel, bulk commodity trade, consumer electronics, new materials and new energy, health, future life, and industrial investment.

The headquarter of Chisage ESS is located in Ningbo city, relies on the professional R&D team led by domestic and foreign experts, actively explores the energy storage business and services, and tries its best to promote the “**photovoltaic+energy storage**” **on/off-grid solutions** for residential and C&I.

The company has invested in large-scale factories and has crafted products such as **hybrid inverters**, **lithium battery packs**, **all-in-one ESS**, **container ESS**, etc.

Chisage ESS values innovation and reliability and is dedicated to delivering the customers our best solutions.

CERTIFICATION

 TÜVRheinland		 BUREAU VERITAS	
			
			 Total Quality. Assured.



VISION & MISSION & VALUE



Vision

Leading the innovation of energy



Mission

Battery storage technology makes life better



Value

Customer first, Strivers in nature, Innovation continues

GLOBAL MARKETING SERVICE NETWORK

25 Years in the Top 500 Private Enterprise



1
Headquarter
 China

46+
Sales Countries

- | | | | | | | |
|-----------|-------------|----------------|----------|-----------|--------------|--------------|
| Vietnam | Philippines | Indonesia | Thailand | Myanmar | Cambodia | Pakistan |
| UAE | Iraq | Lebanon | Yemen | Syria | Saudi Arabia | Jordan |
| Turkey | India | Afghanistan | Israel | Sri Lanka | Madagascar | South Africa |
| Nigeria | Mali | Senegal | Ghana | Benin | Guinea | Kenya |
| Germany | Poland | Czech Republic | Italy | Hungary | Lithuania | Spain |
| Ukraine | Greece | Romania | Serbia | Austria | Chile | Brazil |
| Argentina | China | Slovakia | Slovenia | | | |



8
Branch Offices

- | | | | | | | |
|--------|---------|-------|-----|---------|--------------|--------|
| Poland | Hungary | Italy | UAE | Nigeria | South Africa | Brazil |
| Iraq | | | | | | |

12
After Sales Centers

- | | | | | | | |
|--------|-----------------|---------|--------|-----------|---------|---------|
| Poland | the Netherlands | Italy | UAE | Iraq | Lebanon | Nigeria |
| Yemen | Syria | Vietnam | Brazil | Argentina | | |



01

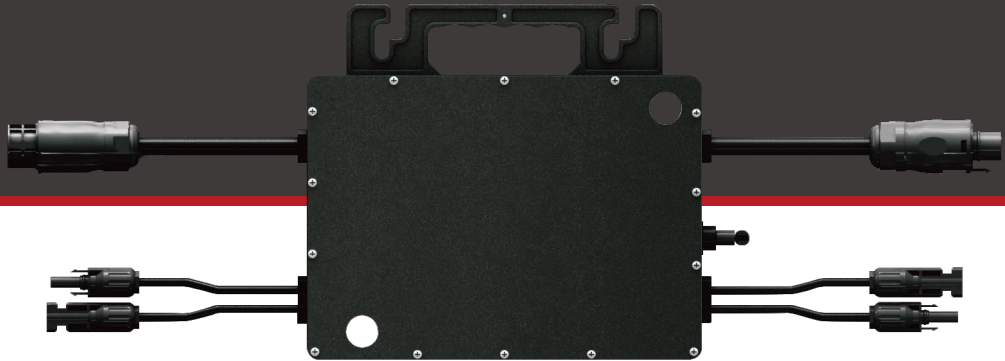
MICRO INVERTER

01 Ant-800G1-EU

CHISAGE ESS

Micro Inverter

Ant-800G1-EU



Product Features

- Individual MPPT tracking
- Cost-effective easy operation
- IP67 protection degree
- Remote WiFi monitor
- High reliability and efficiency up to 96%
- Support parallel operation

Technical Data	
Model	Ant-800G1-US
Input (DC)	
Recommended Input Power (Wp)	210 to 500W+ (2 Pieces)
Max. Input DC Voltage (Vdc)	60
MPPT Voltage Range (Vdc)	25~55
Start-up Voltage (Vdc)	20
Max. Input Current (A)	13.5×2
Max. DC Short Circuit Current (A)	16.5×2
Output (AC)	
Rated Output Power (W)	800
Max. Output Current (A)	4
Nominal Grid Voltage (V)	220
Grid Voltage Range (V)	184~253
Nominal Frequency (Hz)	60
Frequency Range (Hz)	55~65
Power Factor	0.99(default),-0.95(lagging),+0.95(leading)
Maximum Units per Branch	5
Efficiency	
CEC Weighted Efficiency	95.50%
Peak Inverter Efficiency	96.00%
MPPT Track Efficiency	>99.50%
Night Time Power Consumption (mW)	< 50
Mechanical Data	
Operation Temperature Range (°C)	-40~65
Dimension (mm)	260Wx225Hx32D
Weight (kg)	2.9
Cooling	Natural cooling
Noise (dB)	<15
Protection Degree	IP67
General	
Display	LED, APP
Communication	Built-in Wifi
Compliance	IEC 62109,IEC 61000,VDE4105

A modern house with a solar panel roof and a rooftop terrace. The terrace features a wooden dining table with white chairs, a stainless steel grill, and lounge chairs. The house has large glass windows showing a cozy interior with a sofa and a coffee table. The number '02' is overlaid in large white font.

02

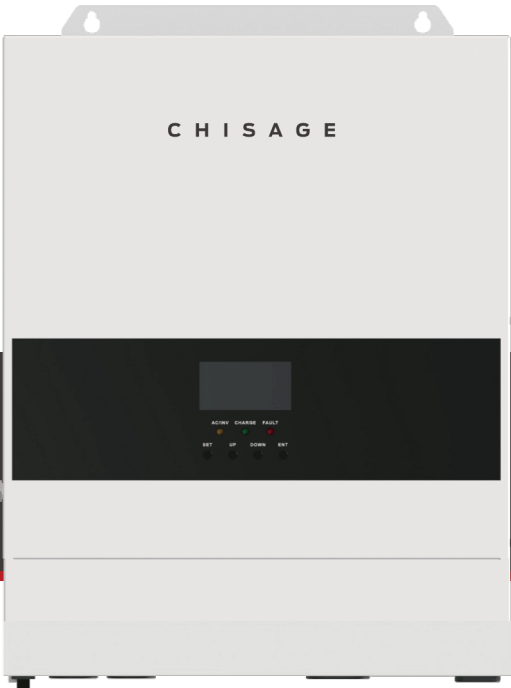
OFF GRID INVERTER

- 01 CE2430-EU-80-H
 - 02 CE4830-EU-60-H
CE4850-EU-80-H
 - 03 CEP4850-EU-80-H
 - 04 CE4880-EU-180-H
CE48100-EU-200-H
-

CHISAGE ESS

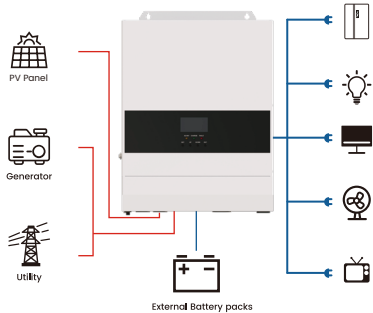
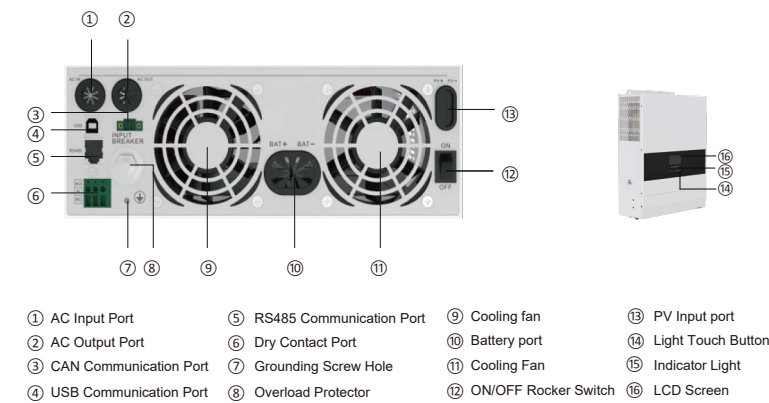
Off Grid Hybrid Inverter

CE2430-EU-80-H



Product Features

- Pure sine wave AC output
- High PV input voltage
- High energy efficiency
- Power saving function
- Intelligent programming
- Efficient heat dissipation
- Multiple safety protection
- Uninterrupted power supply
- Instant viewing of operation
- Approved of CE/EC 62109-1 certifications
- Support a wide range of battery technology
- Support grid and PV activated lithium batteries

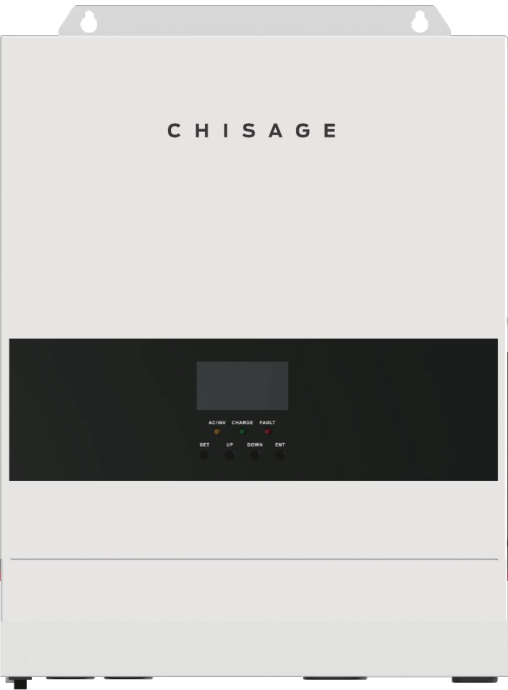


Technical Data

Model	CE2430-EU-80-H
AC Charge	
Battery Type	Sealed、Flood、GEL、LFP、Ternary
Rated Battery Input voltage (V)	24 (Minimum Startup Voltage 22V)
Hybrid Charging Maximum Charging Current (A)	80
Battery voltage Range	20Vdc~33Vdc ± 0.3Vdc(Undervoltage Warning/Shutdown Voltage/Overvoltage Warning/Overvoltage Recovery...)
Solar Charge	
Maximum PV Open circuit Voltage (Vdc)	500
PV Working Voltage Range (Vdc)	120~500
MPPT Voltage Range (Vdc)	120~450
Maximum PV Input Current (A)	13
Maximum PV Input Power (W)	4000
Maximum PV Charging Current (A)	80
AC Input	
Mains Maximum Charging Current (A)	80
Rated Input Voltage (Vac)	220/230
Input Voltage Range	UPS Mains Mode: (170Vac~280Vac)±2% APL Generator Mode: (90Vac~280Vac)±2%
Frequency	50Hz/ 60Hz (Automatic Detection)
Mains Charging Efficiency	>92%
Switch Time (bypass and inverter)	10ms(Typical Value)
Maximum Bypass Overload Current (A)	30
AC Output	
Output Voltage Waveform	Pure sine wave
Rated Output Voltage (Vac)	230Vac (200/208/220/240Vac)
Rated Output Power (VA)	3300 (2850/2950/3150/3000)
Rated Output Power (W)	3300 (2850/2950/3150/3000)
Peak Power	6000VA
On-load Motor Capacity	2HP
Output Frequency Range(Hz)	50Hz±0.3Hz/60Hz±0.3Hz
Maximum Efficiency	>92%
No load Loss	Non Energy-saving Mode: ≤50W Energy-saving Mode: ≤ 25W (Manual Setup)
General	
Certification	CE(IEC 62109-1)
EMC Certification Level	EN61000, C2
Working Temperature Range	-10°C ~ 55°C
Storage Temperature Range	-25°C ~ 60°C
Humidity Range	5% to 95%(Conformal Coating Protection)
Dimensions (mm)	378L×280W×103D
Weight (KG)	6.8

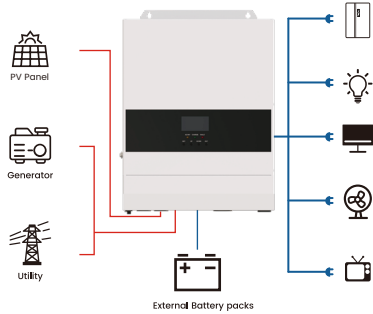
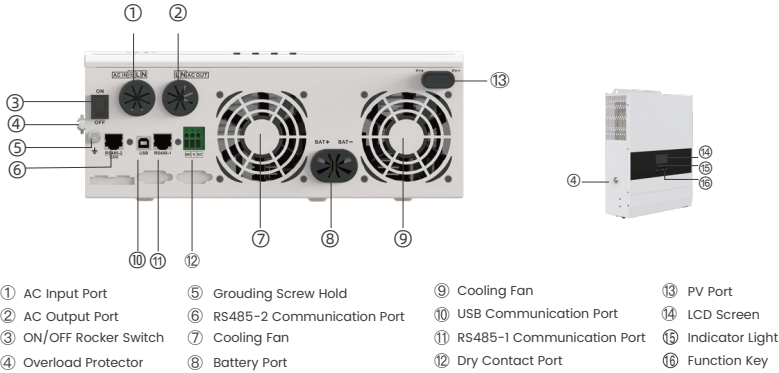
Off Grid Hybrid Inverter

CE4830-EU-60-H
CE4850-EU-80-H



Product Features

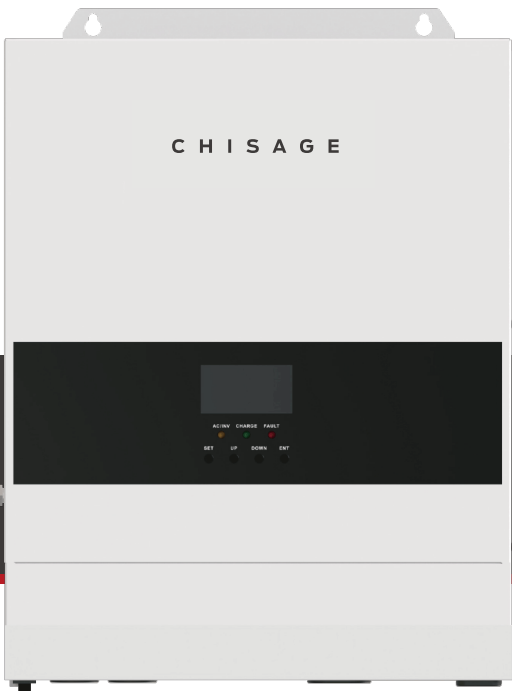
- Power saving function
 - High PV input voltage
 - Multiple safety protection
 - Pure sine wave AC output
 - Uninterrupted power supply
 - Intelligent speed control fans
- LCD screen and LED indicator lights
 - Approved CE-LVD, CE-EMC certifications
 - Grid power bypass and inverter output modes
 - Support grid and PV activated lithium batteries
 - Support lead-acid and lithium battery connections



Technical Data			
Model	CE4830-EU-60-H		CE4850-EU-80-H
AC Charge			
Battery Type	Lithium-ion/Lead-acid/User Define		
Max. AC Charge Current (A)	60		
Charge Voltage Range (Vdc)	40~60		
Short Circuit Protection	Circuit breaker and blown fuse		
Circuit Breaker Specifications (A)	40		
Solar Charge			
Max. PV Open Circuit Voltage (Vdc)	500		
MPPT Voltage Range (Vdc)	120~450		
Battery Voltage Range (Vdc)	40~60		
Max. PV Input Power (W)	4,400		5,200
Max. PV Input Current (A)		18	
Max. PV Charge Current (A)	60		80
Max. Hybrid Charge Current (A)	80		
Charge Short Circuit Protection	Blown fuse		
Wiring Protection	Inverse wiring protection		
AC Input			
Rated Input Voltage (Vac)	220/230		
Input Voltage Range (Vac)	UPS: (170~280) ±2%, APL: (90~280)±2%		
Frequency (Hz)	50/60 (Auto sensing)		
Frequency Range (Hz)	47±0.3~55±0.3 (50)/57±0.3~65±0.3 (60)		
Overload/short Circuit Protection	Breaker		
Efficiency	>95%		
Conversion Time (bypass and inverter)	10ms (Typical value)		
AC Reverse Protection	yes		
Max. Bypass Overload Current (A)	40		
AC Output			
Output Voltage Waveform	Pure sine wave		
Rated Output Power (W)	3,000(2,600/2,700/2,850/3,000)		5,000(4,350/4,500/4,750/5,000)
Power Factor	1		
Rated Output Voltage (Vac)	230(200/208/220/240 settable)		
Output Voltage Error	±5%		
Output Frequency Range (Hz)	50±0.3/60±0.3		
Max. Efficiency	>92%		
Overload Protection	(102% < load <125%) ±10%: report error and turn off the output after 5 minutes (125% < load < 150%) ± 10%: report error and turn off the output after 10 seconds Load >150% ±10%: report error and turn off the output after 5 seconds		
Peak Power (VA)	6,000		10,000
Loaded Motor Capacity (HP)	2		4
Output Short Circuit Protection	Breaker		
Bypass Breaker Specifications (A)	40		
Rated Battery Input Voltage (Vdc)	48 (Min. starting voltage 44)		
Battery Voltage Range (Vdc)	40.0~60±0.6 (Undervoltage alarm/shutdown voltage/overvoltage alarm /overvoltage recovery settable on LCD screen)		
No Load Loss (W)	Non Energy-saving Mode: ≤50W, Energy-saving Mode: ≤25W		
General			
Certification	IEC62109, EN61000		
Operation Temperature Range (°C)	-15~55		
Storage Temperature Range (°C)	-25~60		
Humidity Range	5%~95% (Conformal coating protection)		
Noise (dB)	≤60		
Heat Dissipation	Forced air cooling, variable speed of fan		
Communication Interface	USB/RS485/dry node control		
Size (mm)	426L×322W×126D		
Weight (kg)	10.9		

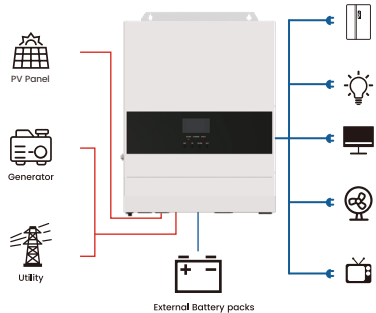
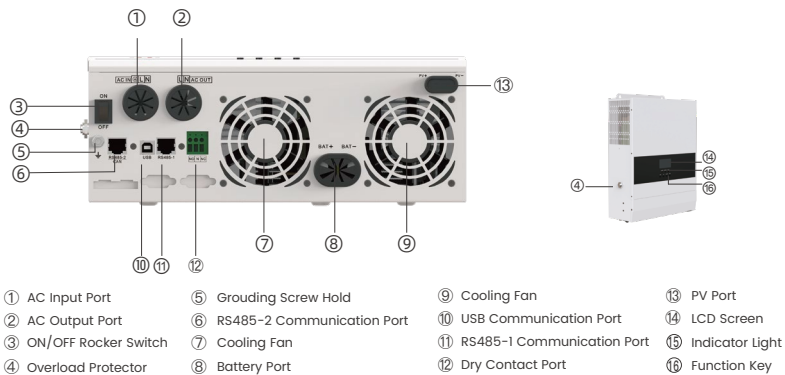
Off Grid Hybrid Inverter

CEP4850-EU-80-H



Product Features

- Power saving function
 - High PV output voltage
 - Multiple safety protection
 - Pure sine wave AC output
 - Uninterrupted power supply
 - Intelligent speed control fans
- LCD screen and LED indicator lights
 - Approved CE-LVD & CE-EMC certifications
 - Available for Max. 6 units parallel connection
 - Grid power bypass and inverter output modes
 - Support grid and PV activated lithium batteries
 - Support lead-acid and lithium battery connections



Technical Data	
Model	CEP4850-EU-80-H
AC Charge	
Battery Type	Lithium-ion/Lead-acid/User Define
Max. AC Charge Current (A)	60
Charge Voltage Range (Vdc)	40~60
Short Circuit Protection	Circuit breaker and blown fuse
Circuit Breaker Specifications (A)	40
Solar Charge	
Max. PV Open Circuit Voltage (Vdc)	500
MPPT Voltage Range (Vdc)	120~450
Battery Voltage Range (Vdc)	40~60
Max. PV Input Power (W)	5,500
Max. PV Input Current (A)	22
Max. PV Charge Current (A)	80
Max. Hybrid Charge Current (A)	80
Charge Short Circuit Protection	Blown fuse
Wiring Protection	Inverse wiring protection
AC Input	
Rated Input Voltage (Vac)	220/230
Input Voltage Range (Vac)	UPS: (170~280) ±2%, APL: (90~280) ±2%
Frequency (Hz)	50/60 (Auto sensing)
Frequency Range (Hz)	47±0.3-55±0.3 (50)/57±0.3-65±0.3 (60)
Overload/short Circuit Protection	Breaker
Efficiency	>95%
Conversion Time (bypass and inverter)	10ms (Typical value)
AC Reverse Protection	yes
Max. Bypass Overload Current (A)	40
AC Output	
Output Voltage Waveform	Pure sine wave
Rated Output Power (W)	5,000(4,350/4,500/4,750/5,000)
Power Factor	1
Rated Output Voltage (Vac)	230(200/208/220/240 settable)
Output Voltage Error	±5%
Output Frequency Range (Hz)	50±0.3/60±0.3
Max. Efficiency	>92%
Overload Protection	(102% < load <125%) ±10%: report error and turn off the output after 5 minutes (125% < load < 150%) ± 10%: report error and turn off the output after 10 seconds Load >150% ±10%: report error and turn off the output after 5 seconds
Loaded Motor Capacity (HP)	4
Output Short Circuit Protection	Breaker
Bypass Breaker Specifications (A)	40
Rated Battery Input Voltage (Vdc)	48 (Min. starting voltage 44)
Battery Voltage Range (Vdc)	40.0~60±0.6 (Undervoltage alarm/shutdown voltage/overvoltage alarm /overvoltage recovery settable on LCD screen)
No Load Loss (W)	Non Energy-saving Mode:≤50W, Energy-saving Mode: ≤25W
General	
Number of Parallel	1~6 PCS
Certification	IEC62109, EN61000
Operation Temperature Range (°C)	-15~55
Storage Temperature Range (°C)	-25~60
Humidity Range	5%~95% (Conformal coating protection)
Noise (dB)	≤60
Heat Dissipation	Forced air cooling, variable speed of fan
Communication Interface	USB/RS485/dry node control
Size (mm)	426L×322W×124D
Weight (kg)	10.5

Off Grid Hybrid Inverter

CE4880-EU-180-H
CE48100-EU-200-H



Product Features

- Pure sine wave AC output
- Power saving function
- Multiple safety protection
- Intelligent speed control fans
- Uninterrupted power supply
- High PV output voltage
- LCD screen and LED indicator lights
- Approved CE-LVD, CE-EMC certifications
- Grid power bypass and inverter output modes
- Support grid and PV activated lithium batteries
- Support lead-acid and lithium battery connections
- High load power to meet the needs of most households

Technical Data		
Model	CE4880-EU-180-H	CE48100-EU-200-H
AC Charge		
Battery Type	Lithium-ion/Lead-acid/User Define	
Max. AC Charge Current (A)	100	
Charge Voltage Range (Vdc)	40~60	
Short Circuit Protection	Circuit breaker and blown fuse	
Solar Charge		
Max. PV Open Circuit Voltage (Vdc)	500	
MPPT Voltage Range (Vdc)	120~425	
Number of PV MPPT Tracker	2	
Max. PV Input Power (W)	5,500+5,500	
Max. PV Input Current (A)	22+22	
Max. PV Charge Current (A)	180	200
Max. Hybrid Charge Current (A)	180	200
Charge Short Circuit Protection	Blown fuse	
Wiring Protection	Inverse wiring protection	
AC Input		
Rated Input Voltage (Vac)	230 (Single phase)	
Input Voltage Range (Vac)	170~280	
Frequency (Hz)	50/60	
Frequency Range (Hz)	47±0.3~55±0.3 (50)/57±0.3~65±0.3 (60)	
Overload/Short Circuit Protection	Breaker	
Efficiency	>95%	
Conversion Time (bypass and inverter)	10ms (Typical value)	
AC Reverse Protection	Yes	
Max. Bypass Overload Current (A)	63	
AC Output		
Output Voltage Waveform	Pure sine wave	
Rated Output Power (W)	8,000	10,000
Power Factor	1	
Rated Output Voltage (Vac)	230 (Single phase)	
Output Voltage Error	±5%	
Output Frequency Range (Hz)	50±0.3 / 60±0.3	
Max. Efficiency	>92%	
Overload Protection	(102% < load <110%) ±10%: report error and turn off the output after5 minutes; (110% < load < 125%) ± 10%: report error and turn off the output after 10 seconds; Load >125% ±10%: report error and turn offthe output after 5 seconds;	
Peak Power (VA)	16,000	20,000
Loaded Motor Capacity (HP)	5	10
Output Short Circuit Protection	Breaker	
Bypass Breaker Specifications (A)	63	
Rated Battery Input Voltage (Vdc)	48 (Minimum starting voltage 44)	
Battery Voltage Range (Vdc)	40.0~60 ± 0.6 (Undervoltage alarm/shutdown voltage/overvoltage alarm/overvoltage recovery settable on LCD screen)	
General		
Certification	IEC62109, EN61000	
Operation Temperature Range (°C)	-15~55	
Storage Temperature Range (°C)	-25~60	
Humidity Range	5%~95% (Conformal coating protection)	
Noise (dB)	< 60	
Heat Dissipation	Forced air cooling, variable speed of fan	
Communication Interface	USB/RS485/dry node control	
Size (mm)	620L×445W×130D	
Weight (kg)	27	



03

HYBRID INVERTER

- 01 Single Phase Hybrid Inverter
Ven-2.5/3.6/5/6G1-LE
 - 02 Jup-3/5/6/8/10G2-LE
-

- 03 Triple Phase Hybrid Inverter
Mars-5/6/8/10/12/14G2-LE
-

- 04 Merc-20/25/30/
35/40/50/60G1-HE
-

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Single Phase Hybrid Inverter

Ven-2.5/3.6/5/6G1-LE



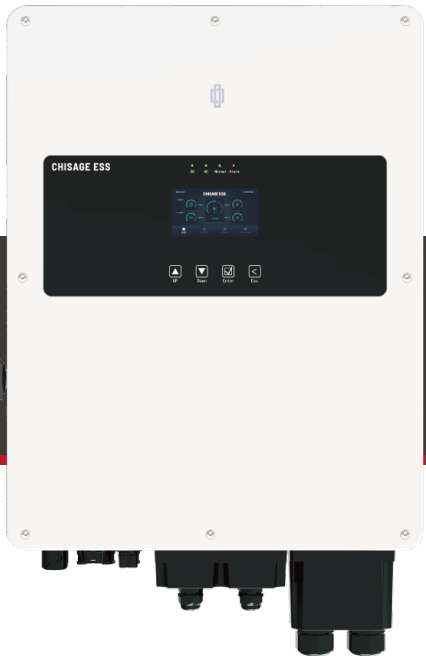
Product Features

- Support different power inverters parallel connection
- Up to 20 PCS inverters parallel for off-grid operation
- Support on/off grid mode switch, EPS output
- IP65 protection degree
- Support battery charging/discharging according to the time setting
- Independent AC input port for diesel generator
- Support storing energy from diesel generator
- ARC fault detection optional

Technical Data				
Model	Ven-2.5G1-LE	Ven-3.6G1-LE	Ven-5G1-LE	Ven-6G1-LE
Battery Input Data				
Battery Type	Lead-acid or Li-ion			
Battery Voltage Range (V)	40-60			
Max. Charge Current (A)	60	72	120	140
Max. Discharge Current (A)	60	72	120	140
Charging Curve	3 Stages/Equalization			
External Temperature Sensor	Optional			
Charging Strategy for Li-Ion Battery	Self-Adaption to BMS			
PV String Input Data				
Max. DC Input Power (W)	2,750	4,800	7,500	9,000
PV Input Voltage (V)	370(125-500)			
MPPT Range (V)	150-425			
Start-up Voltage (V)	120			
PV Input Current (A)	17+17	17+17	17+17	17+17
Max. PV Isc (A)	20+20	20+20	20+20	20+20
No. of MPPT Trackers	2	2	2	2
No. of String Per MPPT Tracker	1+1	1+1	1+1	1+1
AC Output Data				
Rated AC Output Power and UPS Power (W)	2,500	3,600	5,000	6,000
Max. AC Output Power (W)	3,000	4,320	6,000	7,200
Peak Power(off grid)	2 times of rated power, 10s			
AC Output Rated Current (A)	11.4/10.9	16.4/15.7	22.7/21.7	27.3/26.1
Max. AC Current (A)	13.6/13.1	18/17.2	25/23.9	30.0/28.7
Max. Continuous AC Passthrough (A)	30	30	40	40
Power Factor	0.8 leading to 0.8 lagging			
Output Frequency and Voltage	50/60Hz,220/230Vac(single phase)			
Grid Type	single phase			
Current Harmonic Distortion	THD<3%(Linear load <1.5%)			
Efficiency				
Max. Efficiency	97.90%			
Euro Efficiency	97.00%			
MPPT Efficiency	99.90%			
Protection				
Integrated	PV Input Lightning Protection, Anti-islanding Protection, PV String Input Reverse Polarity Protection, Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection			
PV ARC Fault Detection	Optional			
Output Over Voltage Protection	DC Type II/AC Type III			
Certification and Standards				
Grid Regulation	CEI 0-21,VDE-AR-N 4105,NRS 097,IEC61727,G99,G98,VDE 0126-1-1,RD 1699,C10-11			
EMC/Safety Regulation	IEC/ED 62109-1 IEC/EN 62109-2,IEC/EN 61000-6-1,IEC/EN 61000-6-2, IEC/EN 61000-6-3, IEC/EN 61000-6-4			
General Data				
Operating Temperature Range(°C)	-45-60 ,>45 Derating			
Cooling	Smart cooling			
Noise(dB)	≤45			
Communication with BMS	CAN, RS485			
Weight (kg)	34			
Dimensions (mm)	356W×380H×177D			
Protection Degree	IP65			
Installation Style	Wall-mounted			

Single Phase Hybrid Inverter

Jup-3/5/6/8/10G2-LE



Product Features

- Support different power inverters parallel connection
- Up to 20 PCS inverters parallel for off-grid operation
- Support on/off grid mode switch, EPS output
- Colorful 5-inch touch LCD, IP65 protection degree
- Support battery charging/discharging according to the time setting
- Independent AC input port for diesel generator
- Support storing energy from diesel generator
- ARC fault detection optional

Technical Data

Model	Jup-3G2-LE	Jup-5G2-LE	Jup-6G2-LE	Jup-8G2-LE	Jup-10G2-LE
Battery Input Data					
Battery Type	Lead-acid or Li-ion				
Battery Voltage Range (V)	40~60				
Max. Charge Current (A)	70	120	140	190	210
Max. Discharge Current (A)	70	120	140	190	210
Charging Curve	3 Stages/Equalization				
External Temperature Sensor	Optional				
Charging Strategy for Li-Ion Battery	Self-Adaption to BMS				
PV String Input Data					
Max. DC Input Power (W)	4,500	7,500	9,000	12,000	15,000
PV Input Voltage (V)	370(125~500)				
MPPT Range (V)	150~425				
Start-up Voltage (V)	120				
PV Input Current (A)	17	17+17	17+17	26+26	26+26
Max. PV Isc (A)	20	20+20	20+20	34+34	34+34
No. of MPPT Trackers	1	2	2	2	2
No. of String Per MPPT Tracker	1	2/2	2/2	2/2	2/2
AC Output Data					
Rated AC Output Power and UPS Power (W)	3,000	5,000	6,000	8,000	10,000
Max. AC Output Power (W)	3,600	6,000	7,200	9,600	12,000
Peak Power(off grid)	2 times of rated power, 10s			1.8 times of rated power, 10s	
AC Output Rated Current (A)	13.04	21.73	26.08	34.78	43.47
Max. AC Current (A)	15.65	26.08	31.3	41.73	52.17
Max. Continuous AC Passthrough (A)	40	50	50	50	60
Power Factor	0.8 leading to 0.8 lagging				
Output Frequency and Voltage	50/60Hz/230Vac(single phase)				
Grid Type	single phase				
Current Harmonic Distortion	THD<3%(Linear load <1.5%)				
Efficiency					
Max. Efficiency	97.90%				
Euro Efficiency	97.00%				
MPPT Efficiency	99.90%				
Protection					
Integrated	PV Input Lightning Protection, Anti-islanding Protection, PV String Input Reverse Polarity Protection, Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection				
PV ARC Fault Detection	Optional				
Output Over Voltage Protection	DC Type II/AC Type III				
Certification and Standards					
Grid Regulation	CEI 0-21,VDE-AR-N 4105,NRS 097,IEC61727,G99,G98,VDE 0126-1-1,RD 1699,C10-II				
EMC/Safety Regulation	IEC/EN 62109-1 IEC/EN 62109-2,IEC/EN 61000-6-1,IEC/EN 61000-6-2, IEC/EN 61000-6-3, IEC/EN 61000-6-4				
General Data					
Operating Temperature Range(℃)	-45~60,>45 Derating				
Cooling	Smart cooling				
Noise(dB)	≤45				
Communication with BMS	CAN, RS485 34				
Weight (kg)	34/35				
Dimensions (mm)	514W×665H×292D				
Protection Degree	IP65				
Installation Style	Wall-mounted				

Triple Phase Hybrid Inverter

Mars-5/6/8/10/12/14G2-LE



Product Features

- Support different power inverters parallel connection
- 100% unbalanced output each phase max. output up to 5kW
- Up to 20 PCS inverters parallel for off-grid operation
- Support on/off grid mode switch, EPS output
- Colorful 7-inch touch LCD, IP65 protection degree
- Support battery charging/discharging according to the time setting
- Independent AC input port for diesel generator
- Support storing energy from diesel generator
- ARC fault detection optional

Technical Data

Model	Mars-5G2-LE	Mars-6G2-LE	Mars-8G2-LE	Mars-10G2-LE	Mars-12G2-LE	Mars-14G2-LE
Battery Input						
Battery Type	Lead-acid or Li-ion					
Battery Voltage Range (V)	40-60					
Max. Charge Current (A)	120	130	200	220	250	280
Max. Discharge Current (A)	120	130	200	220	250	280
Charging Curve	3 Stages/Equalization					
External Temperature Sensor	Optional					
Charging Strategy for Li-Ion Battery	Self-Adaption to BMS					
PV String Input						
Max. DC Input Power (W)	7,500	9,000	12,000	15,000	18,000	20,000
PV Input Voltage (V)	650(160-800)					
MPPT Range (V)	200~700					
Full Load DC Voltage Range (V)	260-650					
Start-up Voltage (V)	160					
PV Input Current (A)	17+17	17+17	17+17	26+17	26+17	26+17
Max. PV Isc (A)	20+20	20+20	20+20	34+20	34+20	34+20
No. of MPPT Trackers	2					
No. of Strings per MPPT Trackers	2/1	2/1	2/1	2/1	2/1	2/1
AC Output						
Rated AC Output and UPS Power (W)	5,000	6,000	8,000	10,000	12,000	14,000
Max. AC Output Power (W)	6,000	7,200	9,600	12,000	13,200	15,400
Peak PoWer(off grid)	2 times of rated power, 10s				18000W, 10s	
AC Output Rated Current (A)	7.3	8.7	11.6	14.5	17.4	20.3
Max. AC Current (A)	10.8	13	17.4	21.7	26	26
Max. Continuous AC Passthrough (A)	26	26	26	26	26	26
Power Factor	0.8 leading to 0.8 lagging					
Output Frequency and Voltage (V)	50/60Hz, 380/400Vac(Triple phase)					
Grid Type	Three phase					
Current Harmonic Distortion	THD<3%(Linear load<1.5%)					
Efficiency						
Max. Efficiency	97.90%					
Euro Efficiency	97.00%					
MPPT Efficiency	99.90%					
Protection						
Integrated	PV Input Lightning Protection, Anti-islanding Protection, PV String Input Reverse Polarity Protection, Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection					
PV ARC Fault Detection	Optional					
Output Over Voltage Protection	DC Type II/AC Type III					
Certifications and Standards						
Grid Regulation	CEI 0-21, VDE-AR-N 4105, NRS 097, IEC 61727, G99, G98, VDE 0126-1-1, RD 1699,C10-II					
Safety Regulation	IEC/EN62109-1, IEC/EN62109-2					
EMC	IEC/EN 61000-6-1,IEC/EN 61000-6-2, IEC/EN 61000-6-3, IEC/EN 61000-6-4					
General Data						
Operating Temperature Range (℃)	-45~60, >45 Derating					
Cooling	Smart Cooling					
Noise (dB)	≤45					
Communication with BMS	CAN, RS485					
Weight (kg)	38	40	42	44	44	45
Dimensions (mm)	550W×730H×290D					
Protection Degree	IP65					
Installation Style	Wall-mounted					

Triple Phase Hybrid Inverter

Merc-20/25/30/
35/40/50/60G1-HE



Product Features

- High PV input current up to 18A
- High battery charging/discharging current up to 120A
- Support on/off-grid mode switch, EPS output
- Colorful touch LCD, IP65 protection degree
- Support battery charging/discharging according to the time setting
- Independent AC input port for diesel generator
- Support storing energy from diesel generator
- Up to 20 PCS inverters parallel for off-grid operation

Technical Data

Model	Merc-20GI -HE	Merc-25GI -HE	Merc-30GI -HE	Merc-35GI -HE	Merc-40GI -HE	Merc-50GI -HE	Merc-60GI -HE
Battery Input							
Battery Type	Lead-acid or Li-ion						
Battery Voltage Range (V)	160~800						
Max. Charging/Discharging Current (A)	50	60+60					
Max. Charging/Discharging Power (kW)	22	27.5	33	38.5	44	55	62.5
Charging Curve	3 Stages/Equalization						
Number of Battery input	1	2					
Charging Strategy for Li-Ion Battery	Self-Adaption to BMS						
PV String Input							
Max. DC Input Power (kW)	30	37.5	45	52.5	60	70	78
PV Input Voltage (V)	800(160-1000)						
MPPT Range (V)	200~850						
Start-up Voltage (V)	160						
PV Input Current (A)	36+36	36+36+36+36				36+36+36+36+36	
Max. PV Isc (A)	55+55	55+55+55+55				55+55+55+55+55	
No. of MPPT Trackers	2	4				5	
No. of Strings per MPPT Trackers	2+2	2+2+2+2				2+2+2+2+2	
AC Output							
Rated AC Output and UPS Power (kW)	20	25	30	35	40	50	60
Max. AC Output Power (kW)	22	27.5	33	38.5	44	55	66
Peak Power(off grid)(kW)	1.5 times of rated power, 10s						
AC Output Rated Current (A)	30.3/29.0	37.9/36.2	45.5/43.5	53.1/50.8	60.7/50.8	75.8/72.5	90.9/87.0
Max. AC Current (A)	33.3/31.9	41.7/39.8	50/47.9	58.4/55.8	66.7/63.6	83.4/79.8	100/95.8
Max. Continuous AC Passthrough (A)	100	200					
Output Frequency and Voltage (V)	50/60Hz, 230/400Vac, 220/380						
Grid Type	Three phase						
Current Harmonic Distortion	THD<3%						
Efficiency							
Max. Efficiency	97.60%						
Euro Efficiency	97.00%						
MPPT Efficiency	>99%						
Protection							
Integrated	PV Input Lightning Protection, Anti-Islanding Protection,PV String Input Reverse Polarity Protection, Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection						
PV ARC Fault Detection	Optional						
Output Over Voltage Protection	DC Type II/AC Type III						
Certifications and Standards							
Grid Regulation	CEI 0-21, VDE-AR-N 4105, NRS 097, IEC 61727, G99, G98, VDE 0126-1-1, RD 1699,C10-11						
Safety Regulation	IEC/EN62109-1, IEC/EN62109-2						
EMC	IEC/EN 61000-6-1,IEC/EN 61000-6-2, IEC/EN 61000-6-3, IEC/EN 61000-6-4						
General Data							
Operating Temperature Range (℃)	-45~60, >45 Derating						
Cooling	Smart Cooling						
Noise (dB)	≤65						
Communication with BMS	CAN, RS485						
Weight (kg)	85						
Dimensions (mm)	890W×550H×300D						
Protection Degree	IP65						
Installation Style	Wall-mounted						

04

BATTERY PACK

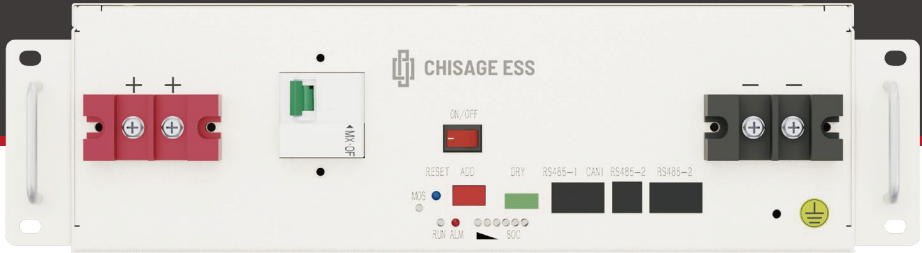
- 01 MOON5-R Pro
 - 02 CE48100-W/CE48200-W
 - 03 MOON5-W
 - 04 MOON10-W
 - 05 MOON16-G Pro
 - 06 Link5/10/15/20-L
-

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Battery Pack

MOON5-R Pro



Product Features

- Max. 1C output current
- Up to 15 packs can be parallel connected
- With circuit breaker controlled by BMS
- High inverter compatibility
- Safe LiFePO4 rechargeable battery
- High usable energy ratio, less self-consumption

Technical Data	
Model	MOON5-R Pro
Nominal Energy (Wh)	5,120
Nominal Capacity (Ah)	100
Nominal Voltage (V)	51.2
Operation Voltage Range (V)	40~58.4
Recommend Charge Current (A)	50
Max. Continuous Charge Current (A)	50
Recommend Discharge Current (A)	50
Max. Continuous Discharge Current (A)	100
Max. Parallel Quantities (pcs)	15
Operation Temperature	Charge Temperature: 0~55℃ Discharge Temperature: -20~55℃
Operation Humidity	20~80%RH (No condensing)
Protection Degree	IP21
Dimension (mm)	420Wx134.5Hx550D (Without ear and handle)
Net Weight (kg)	45
Installation	Rack mounted
Certification	IEC62619,CE-EMC, ROHS, UN38.3
Communication	CAN, RS485
Cycle Life	6000±100%DOD, 70%EOL@25℃/0.5C

Battery Pack

CE48100-W/CE48200-W



Product Features

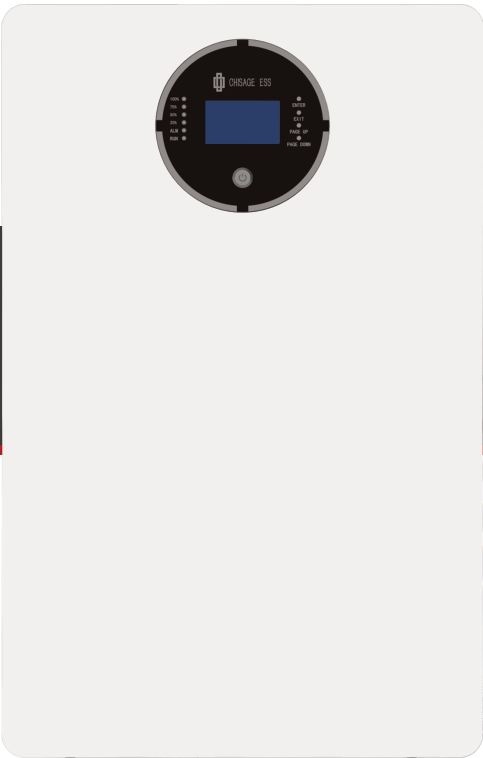
- Max. 1C discharge power
- IP65 protection degree
- Up to 15 packs can be parallel connected
- High inverter compatibility
- Safe LiFePO4 rechargeable battery
- High usable energy ratio, less self-consumption

Technical Data

Model	CE48100-W	CE48200-W
Nominal Energy (Wh)	5,120	10,240
Nominal Capacity (Ah)	100	200
Nominal Voltage (V)	51.2	51.2
Operation Voltage Range (V)	40~58.4	40~58.4
Recommend Charge Current (A)	50	100
Max. Continuous Charge Current (A)	50	100
Recommend Discharge Current (A)	50	100
Max. Continuous Discharge Current (A)	100	100
Max. Parallel Quantities (pcs)	15	15
Operation Temperature	Charge Temperature: 0~55℃ Discharge Temperature: -20~55℃	Charge Temperature: 0~55℃ Discharge Temperature: -20~55℃
Operation Humidity	20~95%RH (No condensing)	20~95%RH (No condensing)
Protection Degree	IP65	IP65
Dimension (mm)	480Wx650Hx168D (Without floor mount foot)	480Wx650Hx168D (Without floor mount foot)
Net Weight (kg)	50±5	94±5
Installation	Wall mounted, floor mounted	Wall mounted, floor mounted
Certification	IEC62619,CE-EMC, ROHS, UN38.3	IEC62619,CE-EMC, ROHS, UN38.3
Communication	CAN, RS485	CAN, RS485
Cycle Life	6000≥100%DOD, 70%EOL@25℃/0.5C	6000≥100%DOD, 70%EOL@25℃/0.5C

Battery Pack

MOON5-W



Product Features

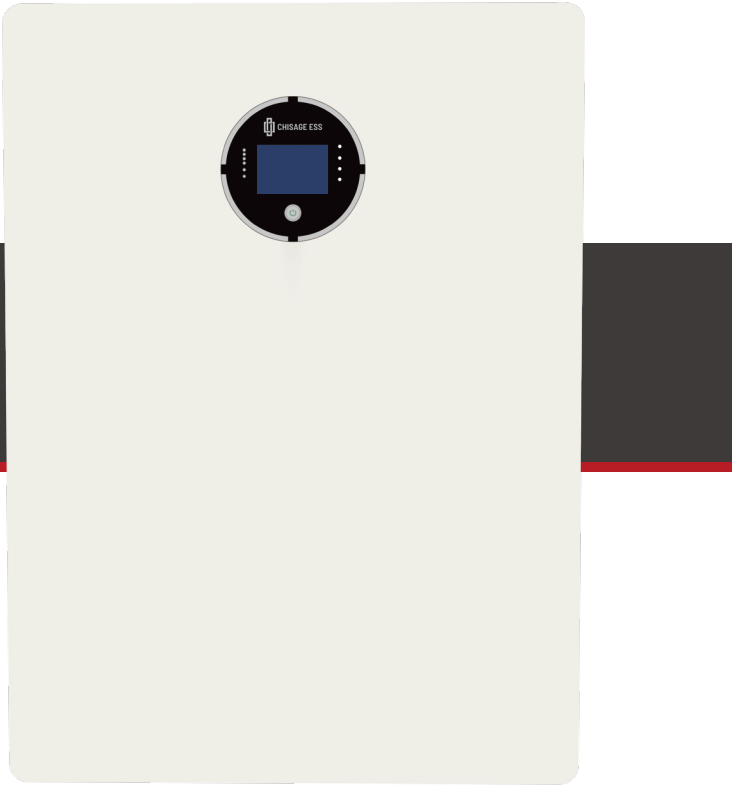
- Max. 1C output current
- LCD display and support bluetooth connection
- Up to 15 packs can be parallel connected
- High inverter compatibility
- Safe LiFePO4 rechargeable battery
- High usable energy ratio, less self-consumption

Technical Data

Model	MOON5-W
Nominal Energy (Wh)	5,120
Nominal Capacity (Ah)	100
Nominal Voltage (V)	51.2
Operation Voltage Range (V)	40~58.4
Recommend Charge Current (A)	50
Max. Continuous Charge Current (A)	50
Recommend Discharge Current (A)	50
Max. Continuous Discharge Current (A)	100
Max. Parallel Quantities (pcs)	15
Operation Temperature	Charge Temperature: 0~55°C Discharge Temperature: -20~55°C
Operation Humidity	20~80%RH (No condensing)
Protection Degree	IP21
Dimension (mm)	415Wx661Hx185D (Without floor mount foot)
Net Weight (kg)	48
Installation	Wall mounted, floor mounted
Certification	IEC62619,CE-EMC, ROHS, UN38.3
Communication	CAN, RS485
Cycle Life	6000≥100%DOD, 70%EOL@25°C/0.5C

Battery Pack

MOON10-W



Product Features

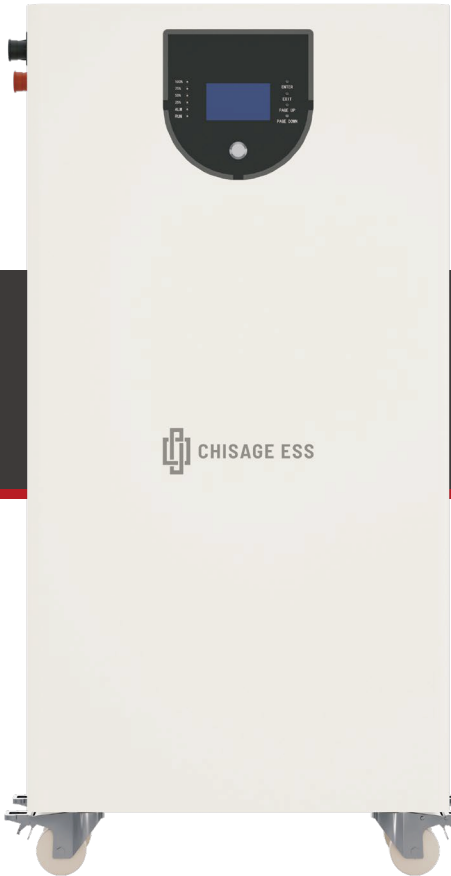
- Max. 0.75C output current
- LCD display and support bluetooth connection
- Up to 15 packs can be parallel connected
- High inverter compatibility
- Safe LiFePO4 rechargeable battery
- High usable energy ratio, less self-consumption

Technical Data

Model	MOON10-W
Nominal Energy (Wh)	10,240
Nominal Capacity (Ah)	200
Nominal Voltage (V)	51.2
Operation Voltage Range (V)	40~58.4
Recommend Charge Current (A)	100
Max. Continuous Charge Current (A)	100
Recommend Discharge Current (A)	100
Max. Continuous Discharge Current (A)	150
Max. Parallel Quantities (pcs)	15
Operation Temperature	Charge Temperature: 0~55°C Discharge Temperature: -20~55°C
Operation Humidity	20~80%RH (No condensing)
Protection Degree	IP21
Dimension (mm)	600Wx822Hx187.5D (Without floor mount foot)
Net Weight (kg)	92.5
Installation	Wall mounted, floor mounted
Certification	IEC62619,CE-EMC, ROHS, UN38.3
Communication	CAN, RS485
Cycle Life	6000≥100%DOD, 70%EOL@25°C/0.5C

Battery Pack

MOON16-G Pro



Product Features

- LCD display and support bluetooth connection
- Up to 15 packs can be parallel connected
- High inverter compatibility
- Safe LiFePO4 rechargeable battery
- High usable energy ratio, less self-consumption

Technical Data	
Model	MOON16-G Pro
Nominal Energy (Wh)	16,070
Nominal Capacity (Ah)	314
Nominal Voltage (V)	51.2
Operation Voltage Range (V)	44.8-57.6
Recommend Charge Current (A)	150
Max. Continuous Charge Current (A)	150
Recommend Discharge Current (A)	150
Max. Continuous Discharge Current (A)	150
Max. Parallel Quantities (pcs)	15
Operation Temperature	"Charge Temperature: 0°C~60°C Discharge Temperature: -20~60°C"
Operation Humidity	20~80%RH (No condensing)
Protection Degree	IP20
Dimension (mm)	420W x 800H x 250D (Without floor mount foot)
Net Weight (kg)	115
Installation	Wall mounted, floor mounted
Certification	IEC62619, CE-EMC, CE-RED, ROHS, UN38.3
Communication	CAN, RS485
Cycle Life	8000≥100%DOD, 70%EOL@25°C/0.5C

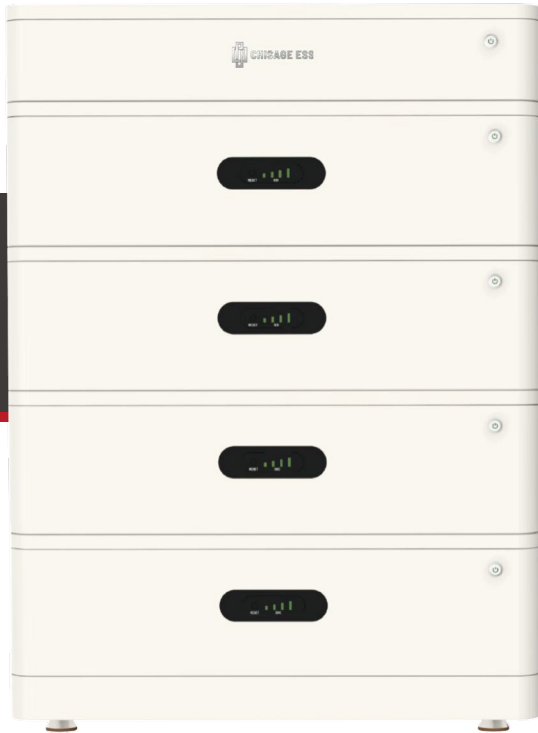
Lithium Battery

Link5-L

Link10-L

Link15-L

Link20-L



Product Features

- Flexibility modular design, from 5kWh to 20kWh each battery tower
- IP65 protection degree, suitable for both indoor and outdoor installation
- Mounting handle design, easy lift and installation
- Quick connector and auto battery address setting, save installation time
- Independent BMS and SOC indicator for each module
- Safe LiFePO4 rechargeable battery

Technical Data				
Model	Link5-L	Link10-L	Link15-L	Link20-L
Nominal Energy (Wh)	5,120	10,240	15,360	20,480
Nominal Capacity (Ah)	100	200	300	400
Nominal Voltage (V)	51.2			
Operation Voltage Range (V)	40~58.4			
Recommend Charge Current (A)	50	100	150	200
Max. Continuous Charge Current (A)	50	100	150	200
Recommend Discharge Current (A)	50	100	150	200
Max. Continuous Discharge Current (A)	50	100	150	200
Max. Parallel Quantities (pcs)	4 pcs Link5-L modules			
Operation Temperature	Charge Temperature: 0~55°C Discharge Temperature: -20~55°C			
Operation Humidity	20~95%RH (No condensing)			
Protection Degree	IP65			
Dimension (mm)	665Wx478.8H x430D	665Wx687.6H x430D	665Wx932.4H x430D	665Wx1159.2H x430D
Net Weight (kg)	60	120	180	240
Installation	floor mounted			
Certification	IEC62619,CE-EMC, ROHS, UN38.3			
Communication	CAN, RS485			
Cycle Life	6000≥100%DOD, 70%EOL@25°C/0.5C			

05

Lithium Battery Storage System

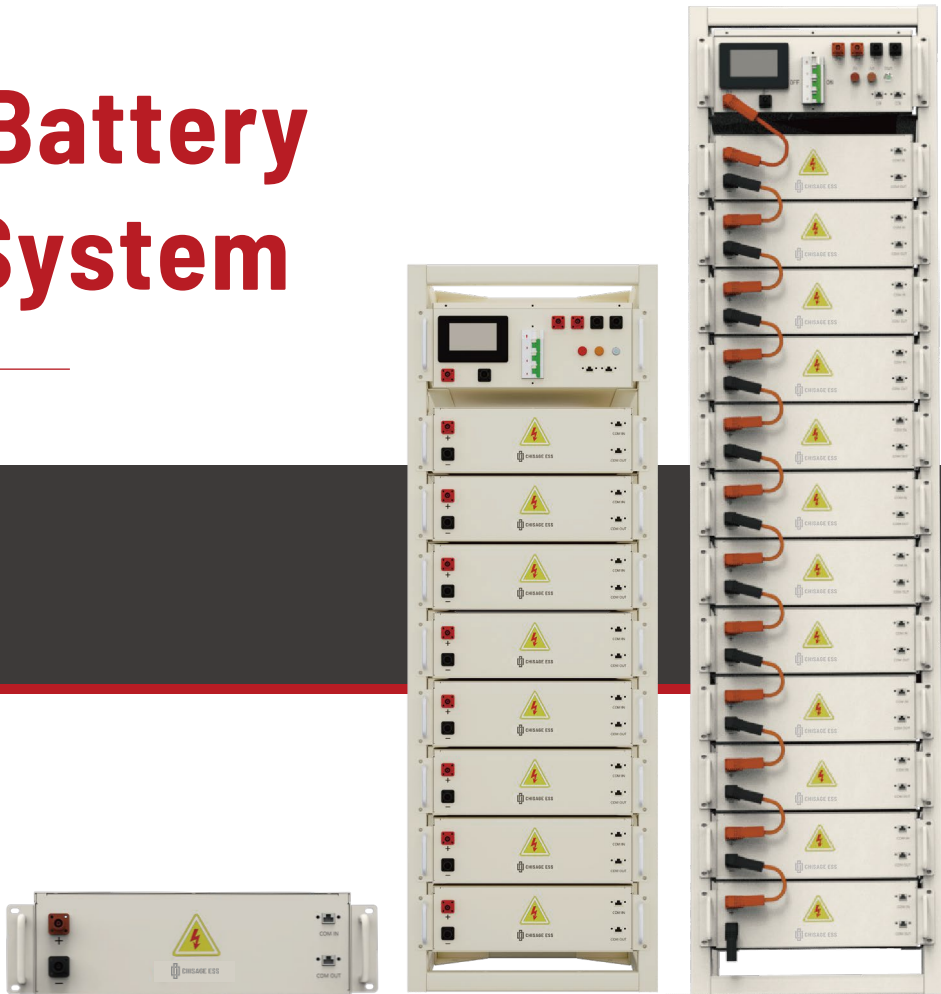
- 01 CAL5-RH
CAL40/60-RH
 - 02 OBE70
-



CHISAGE ESS

Lithium Battery Cluster System

CAL5-RH
CAL40/60-RH



Product Features

- Longer life cycles
- Higher power density
- Max. 1C discharge current
- Higher usable energy ratio, less self-consumption
- Contains no toxic heavy metal or caustic materials
- Up to 20 clusters can be parallel connected

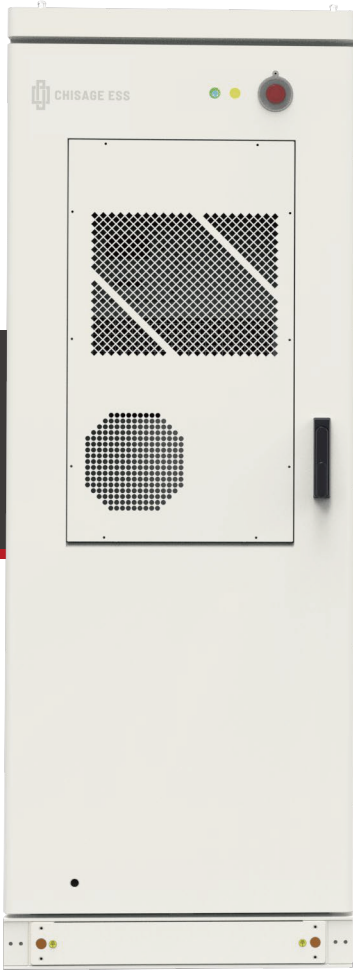
Technical Data

Model	CAL5-RH
Connection Style	16S
Nominal Energy (Wh)	5,120
Nominal Capacity (Ah)	100
Nominal Voltage (V)	51.2
Operation Voltage Range (V)	44.8~57.6
Recommend Charge Current (A)	50
Max. Continuous Charge Current (A)	100
Recommend Discharge Current (A)	50
Max. Continuous Discharge Current (A)	100
Operation Temperature	Charge Temperature: 0°C~60°C Discharge Temperature: -20~60°C
Operation Humidity	20~80%RH (No condensing)
Protection Degree	IP20
Dimension (mm)	416W x 136H x 546D (Without ear and handle)
Net Weight (kg)	45
Installation	Rack mounted
Certification	/
Communication	Cascade
Cycle Life	6,000≥80%DOD, 70%EOL@25°C/0.5C

Model	CAL40-RH	CAL60-RH
Connection Style	128S	192S
Nominal Energy (KWh)	40.9	61.44
Nominal Capacity (Ah)	100	
Nominal Voltage (V)	409.6	614.4
Operation Voltage Range (V)	358.4~460.8	537.6~691.2
Recommend Charge Current (A)	50	
Max. Continuous Charge Current (A)	100	
Recommend Discharge Current (A)	50	
Max. Continuous Discharge Current (A)	100	
Max. Parallel Quantities (system)	20	
Operation Temperature	Charge Temperature: 0°C~60°C Discharge Temperature: -20~60°C	
Operation Humidity	20~80%RH (No condensing)	
Protection Degree	IP20	
Dimension (mm)	520W x 2,070H x 566D	
Net Weight (kg)	424	618
Certification	IEC62619, CE-EMC, LVD, ROHS, UN38.3	
Communication	CAN, RS485	
Cycle Life	6,000≥80%DOD, 70%EOL@25°C/0.5C	

Lithium Battery Cabinet System

OBE70



Product Features

- Longer life cycles
- Higher power density
- Max. 1C discharge current
- Higher usable energy ratio, less self-consumption
- Contains no toxic heavy metal or caustic materials
- Up to 20 cabinets can be parallel connected
- Flexibility modular design, from 47kWh to 70kWh each battery cabinet

Technical Data

Model	OBE70
Connection series	216S
Nominal Energy (kWh)	69.12
Nominal Capacity (Ah)	100
Nominal Voltage (V)	691.2
Operation Voltage Range (V)	604.8~777.6
Recommend Charge Current (A)	100
Max. Continuous Charge Current (A)	100
Recommend Discharge Current (A)	100
Max. Continuous Discharge Current (A)	100
Max. Parallel Quantities (system)	20
Operation Temperature	Charge Temperature: 0°C~60°C Discharge Temperature: -20~60°C
Operation Humidity	20~80%RH (No condensing)
Protection Degree	IP54
Dimension (mm)	690W x 1,950H x 1,200D
Net Weight (kg)	1,045
Certification	IEC62619, CE-EMC, LVD, ROHS, IP54, UN38.3
Communication	CAN, RS485
Cycle Life	≥6,000 80%EOL@25°C 1P

06

PORTABLE POWER STATION

01 CE-P600CS
CE-P1000CS

CHISAGE ESS

Portable Power Station

CE-P600CS
CE-P1000CS



Product Features

- 100W high power PD output
- Safety LiFePO4 battery built inside
- DC/PV input with MPPT function to charge the battery
- High power factor portable inverter with pure sine wave output
- Bi-directional inverter that supports AC fast charging within 90mins to full capacity
- Smart drive mode support 1200/2000W+ high power resistance load operation

Technical Data

Model	CE-P600CS		CE-P1000CS	
Battery				
Battery Type	LiFePO4			
Battery Nominal Voltage (V)	22.4			
Battery Operation Voltage (V)	18.2~26			
Battery Nominal Capacity (Wh)	672		1,008	
Nominal Charge Current (A)	25		36	
Nominal Discharge Current (A)	30		45	
Max. Discharge Current (A)	30		45	
Life Cycles	>2,000@25°C, 1C discharge			
AC Input				
AC Charge Power (W)	480		800	
Nominal Voltage (V)	110	230	110	230
Voltage Range (V)	90~140	180~270	90~140	180~270
Nominal Frequency (Hz)	60	50	60	50
Frequency Range (Hz)	55~65	45~55	55~65	45~55
Power Factor	>0.99@max. charging power			
DC Input				
Max. Car Charge Input Power (W)	120			
Max. Solar Charge Input Power (W)	200			
DC Input Voltage Range (V)	10~30			
Max. DC Input Current (A)	10			
AC Output				
Nominal AC Power (W)	600		1,000	
Surge Power (W)	1,200		2,000	
Nominal Grid Voltage (V)	110	230	110	230
Nominal Grid Frequency (Hz)	60	50	60	50
Nominal AC Current (A)	5.5	2.6	9	4.3
DC Output				
USB-A (x1)	5V/2.4A			
QC3.0 (x2)	5V/3A, 9V/2A, 12V/1.5A			
USB-TypeC (x2)	5V/3A, 9V/3A, 12V/3A, 20V/5A			
Car Port (x1)	13.2V/10A			
DC Port (x2)	13.2V/10A			
Car & DC Port Total Max. Power (W)	132			
Wireless Charger	10W			
LED Light	3W			
Efficiency				
Max. Battery to AC Efficiency (%)	92.5	93.0	92.5	93.0
Max. AC to Battery Efficiency (%)	92			
General Data				
Dimension (mm)	348Wx192Dx264H			
Weight (kg)	9.5		11.1	
Cooling	Forced air cooling			
Operation Temperature Range (°C)	0~40 (charge), -15~40 (discharge)			
Operation Relative Humidity (RH(%))	0~95, Non condensation			
Protection Degree	IP20			
Noise (dB)	<65			
Communication Interface	Wifi			
Display	LCD			
Protection	AC output over current, AC output short circuit, AC charging over current, AC output over/under voltage, AC output over/under frequency, Inverter over temperature, AC charging over/under voltage, Battery temperature high/low, Battery over/under voltage			



CHISAGE ESS CLOUD

01 WiFi Plug

CHISAGE ESS

WiFi+BLE

Circular Connector



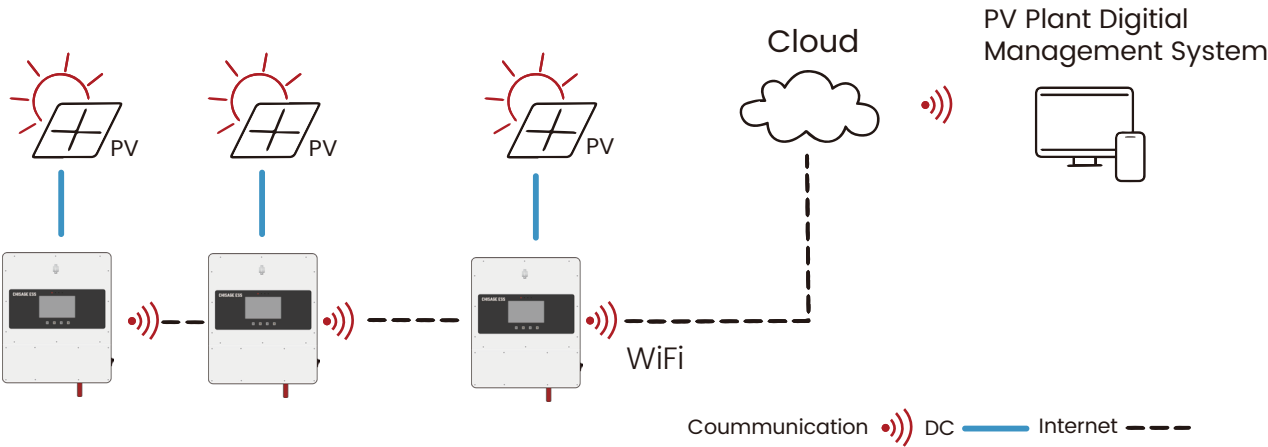
Chisage ESS residential monitoring solution takes great care to ensure that your PV system is in excellent operation. It has been developed to help you get the most out of your Chisage ess inverter. Tailored for customers and installers, it gives you complete control. Gaining access to features such as the update / upgrade feature, remote programming.

Users can easily access the monitoring page via PC web or phone APP.

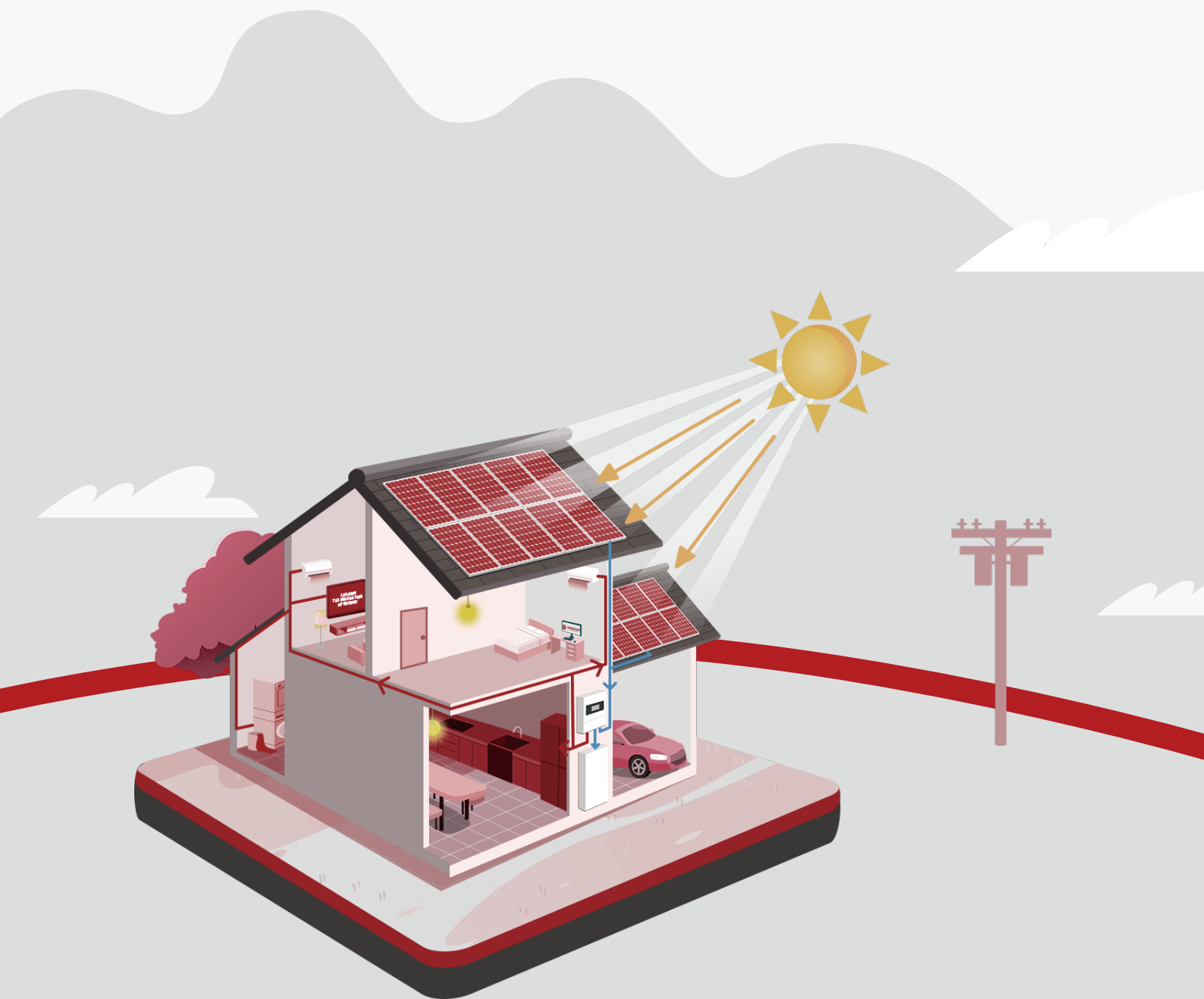
Product Features

- Plug & Play
- Remote Maintenance
- Secure Encryption
- Quick Disassembly Design
- Breakpoint Continuation
- Outdoor Feasibility
- Local Maintenance

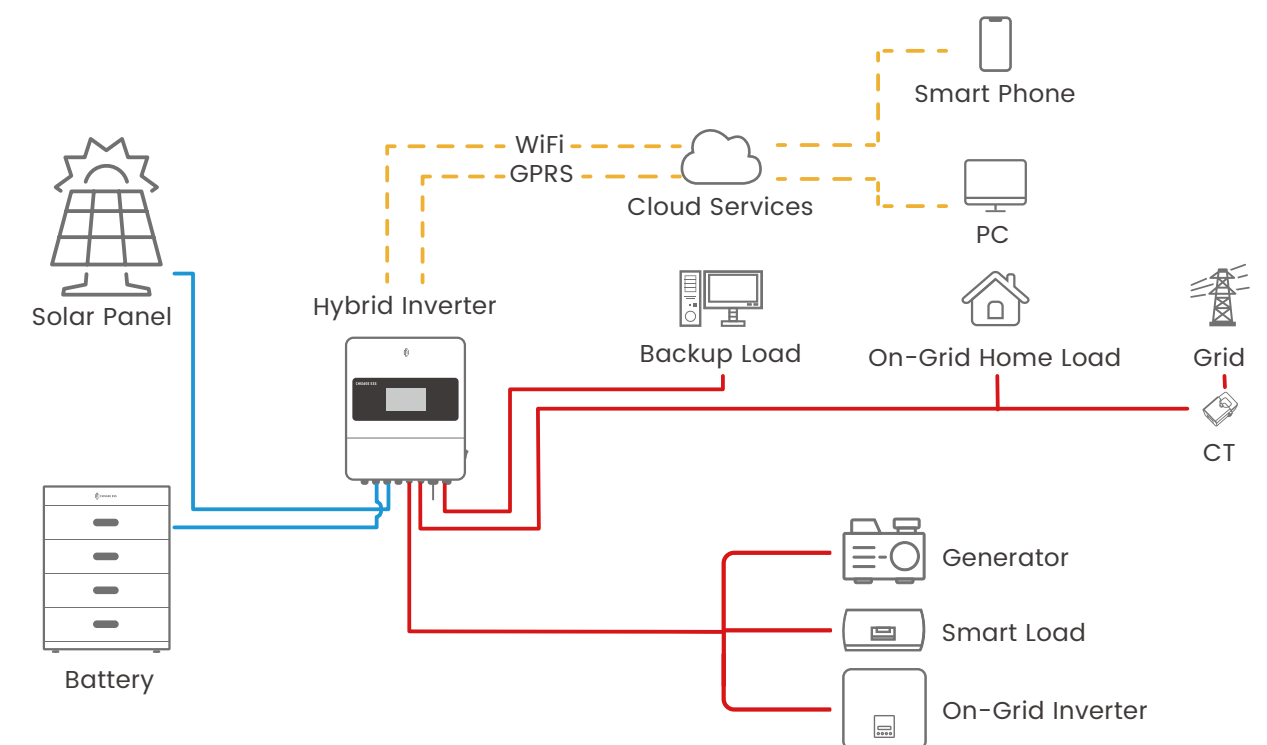
Technical Data	
Product Model	Magpie(Wi-Fi+BLE)
Electrical	
Supply Voltage	DC 5V - 12V
Current consumption	Max. 550mA; Avg. 120mA
Wi-Fi	
Standard	802.11 b/g/n
Security Mode	WPA/WPA2/WPA2-Enterprise
Operating Mode	Station/AP/Station + AP
Antenna	Built-in
Others	802.11 n(2.4 GHZ) up to 150Mbps
Bluetooth	
Standard	V4.2
Antenna	Built-in
Interface	
Physical Interface	Circular Connector
Electrical Interface	RS485-HD / RS232 / Uart TTL
Communication Parameters	9600bps 8/N/1 (Default)
LED Indicator	
DEV	Device Communication Indicator
NET	Network Communication indicator
Mechanical	
Dimension (Bare Device)	98,0 24,0 24,0 mm
Weight	About 40g ~48g
Installation	Plug-in-out
Environmental	
Operating temperature range	-20°C~+60°C
Relative Humidity(non-condensing)	0%-100%
Maintenance	
Upgrading Methods	OTA / Webserver / Bluetooth
Inverter Upgrading	Remote / Local
Parmenters Setup	Remote / Local
Others	
Degree of Protection	IPX7
Flame Retardant Rating	UL94 V-0
Anti-UV	F1



SYSTEM SOLUTION



Chisage ESS On/Off Grid Solar Hybrid Home System

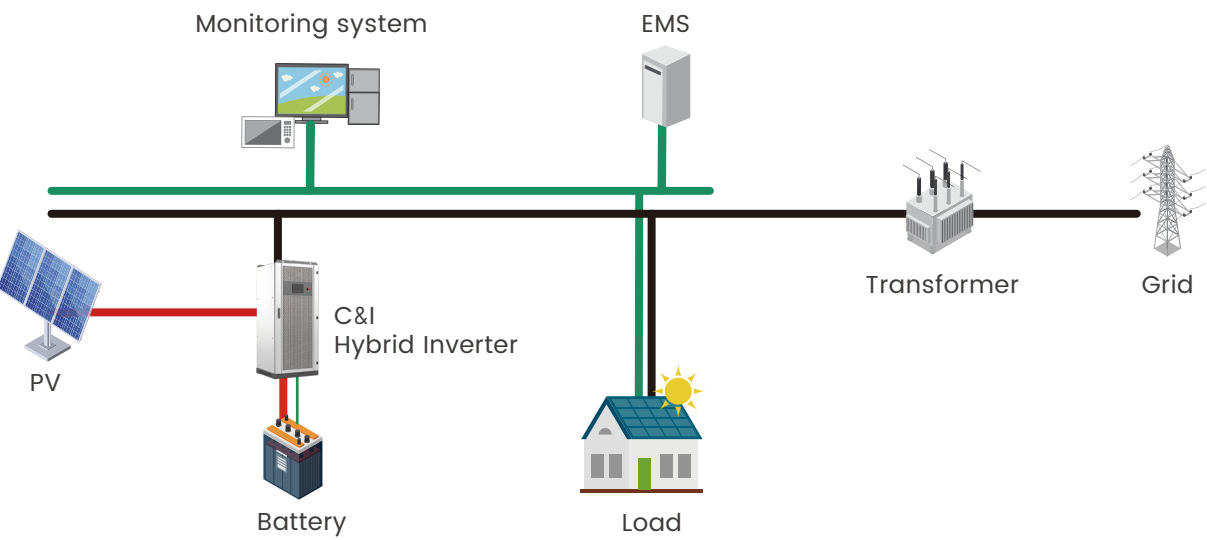


Product Features

- Wall mounted & rack battery wait for your choose, meet different requirements
- Support lithium battery active function, easier battery maintenance
- IP65 inverter protection degree
- Support on-grid & off-grid modes
- Support generator function
- AC couple function available with grid connected inverter
- Smart meter, WiFi datalogger optional, monitor your load consumption 24 hours

Chisage ESS C&I Solar Hybrid Solution

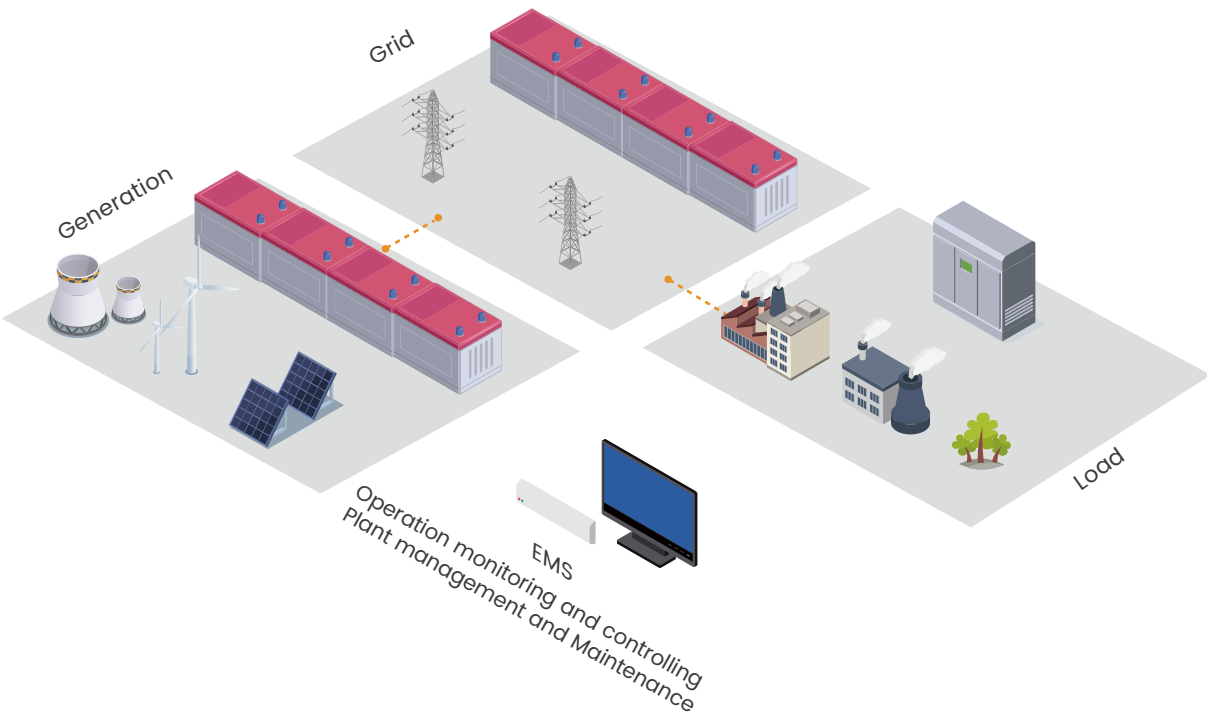
— DC Line
— AC Line
— Communication Line



Product Features

- Reactive power compensation and APF
- With strong load adaptability and reliability
- Peak shaving and valley filling
- Integrate energy management system

Chisage ESS Smart Micro Grid Solution



Product Features

- Support both DC couple and AC couple solutions
- Support both BTM and FTM systems controlled by smart EMS, self-consumption, peak shaving and valley filling, voltage and frequency regulation etc.

PROJECT REFERENCE



Application:
Inverter -- Mars-14G1-LE
Solar Panel -- CE410-27V-MH

Time: May, 2023
Address: Lebanon
Capacity: 56kW/10kWh



Application:
Inverter -- Mars-12G1-LE
Solar Panel -- CE410-27V-MH

Time: Jun, 2023
Address: South Africa
Capacity: 12kW/10kWh



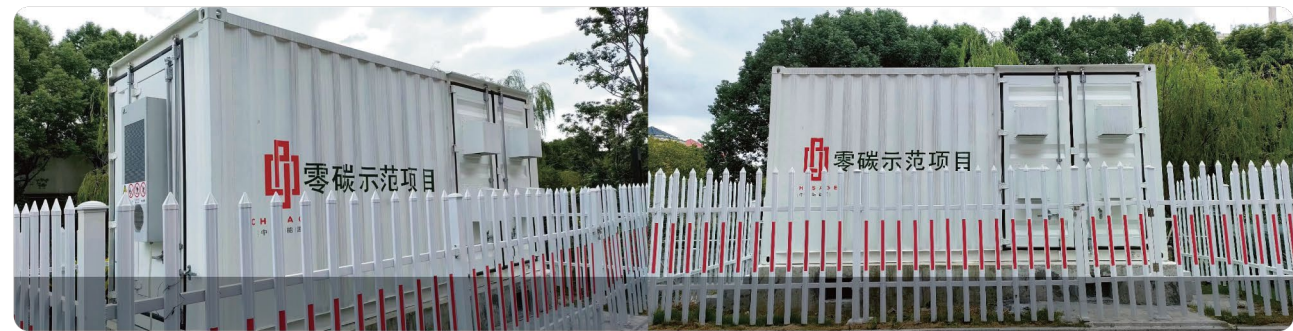
Application:
CE -- 2501300

Time: Dec, 2021
Address: Ningbo, China
Capacity: 250kW/1.3MWh



Application:
Inverter -- Mars-12G1-LE
Solar Panel -- CE410-27V-MH

Time: Jun, 2023
Address: South Africa
Capacity: 12kW/30kWh



Application:
CE -- 100200

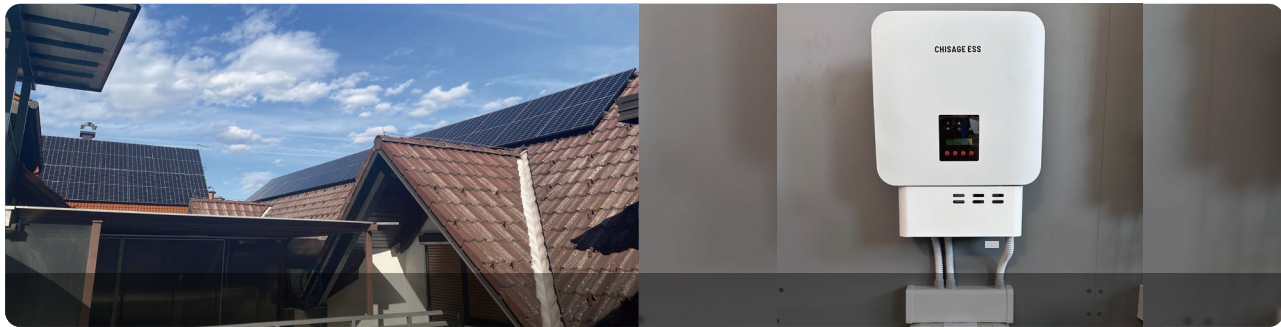
Time: Jun, 2022
Address: Ningbo, China
Capacity: 100kW/200kWh



Application:
Solar Panel -- CE410-27V-MH
Battery -- MOON16-G

Time: Oct, 2024
Address: Yemen
Capacity: 6kW/32KWh

PROJECT REFERENCE



Application:
Inverter -- CE-3PI5KEG
Solar Panel -- CE410-27V-MH

Time: Jul, 2023
Address: Slovenia
Capacity: 15kW



Application:
Inverter -- Mars-14G1-LE
Solar Panel -- CE410-27V-MH

Time: March, 2024
Address: Kenya
Capacity: 12kW*3pcs



Application:
Inverter -- Mars-12G1-LE
Solar Panel -- CE410-27V-MH

Time: Oct, 2024
Address: Germany
Capacity: 12kW*2pcs



Application:
Inverter -- Mars-14G1-LE
Solar Panel -- CE410-27V-MH

Time: Jan, 2023
Address: Vietnam
Capacity: 14kW*2pcs



Application:
Inverter -- Mars-14G1-LE
Solar Panel -- CE410-27V-MH

Time: March, 2024
Address: Vietnam
Capacity: 14kW/10kWh



Application:
Inverter -- Mars-12G1-LE
Solar Panel -- CE410-27V-MH

Time: May, 2024
Address: Vietnam
Capacity: 12kW

PROJECT REFERENCE



Application:
Inverter -- Mars-12G1-LE
Battery -- CE48200-W

Time: May, 2023
Address: Turkey
Capacity: 12kW*2pcs/10kWh*3pcs



Application:
Inverter -- Mars-8G2-LE
Battery -- CE48100-W

Time: July,2024
Address: Ukraine
Capacity: 8kW*2pcs/5kWh*2pcs



Application:
Inverter -- Mars-14G1-LE
Battery -- MOONI6-G

Time: May, 2023
Address: Iraq
Capacity: 14kW*2pcs/16kWh*4pcs



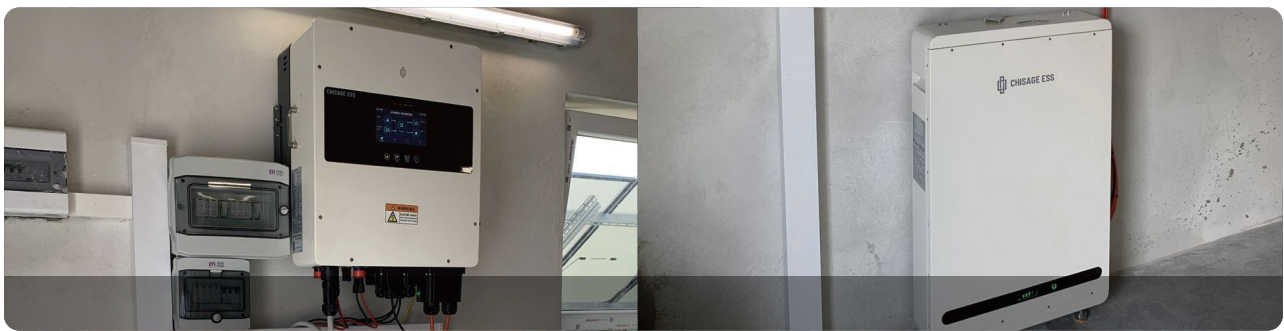
Application:
Inverter -- Mars-12G1-LE
Battery -- Moon5-R

Time: January, 2024
Address: Madagascar
Capacity: 12kW*2pcs/5kWh*8pcs



Application:
Inverter -- Mars-14G1-LE
Battery -- MOONI0-G

Time: March,2024
Address: Vietnam
Capacity: 14kW/10kWh*4pcs



Application:
Inverter -- Mars-14G2-LE
Battery -- CE48200-W

Time: July, 2024
Address: Poland
Capacity: 8kW/10kWh