


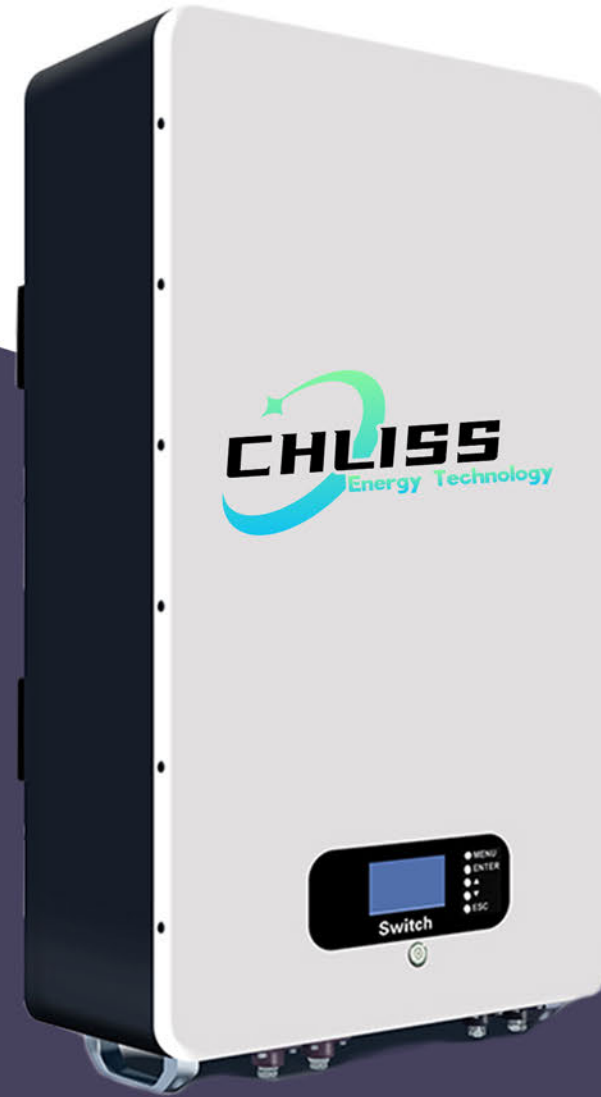




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GET IN TOUCH

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GUANGZHOU CHLISS ENERGY
TECHNOLOGY CO.,LTD.

PRODUCT CATALOG

Experts for Solar Energy Lithium Battery Storage System



ABOUT COMPANY

Guangzhou Chliss Energy Technology Co.,Ltd. is a leading global battery and new energy solutions provider,specialized in the research,development, manufacturing and sales of the lithium-phosphate batteries,lead-acid batteries and UPS industry solutions,batteries pack,RV batteries,Energy batteries,Energy storage power stations,Solar inverter solutions.

Now we owned three scales of factories,with more than **1000** work staff and **50** R & D Engineers.

Our products were sold for more than **180** countries and regions at home and abroad, which are highly praised by our customers.

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02.Advantage

03.Product series

GLOBAL PARTNERS



CERTIFICATE

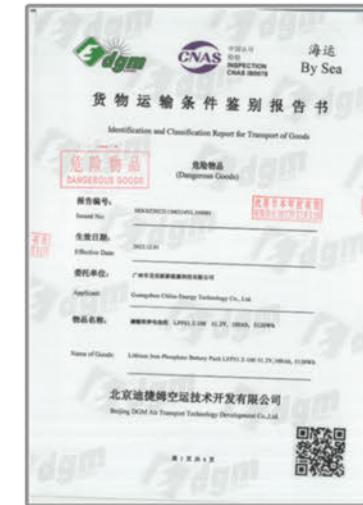
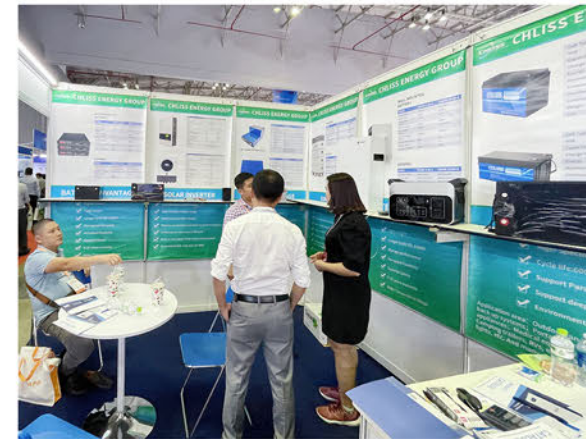
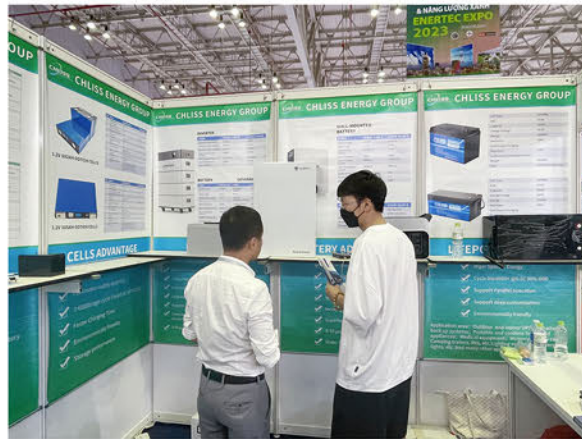


EXHIBITION

Germany



Vietnam



OUR FACTORY



Factory area



Sample display area



Assembly line



Cell production line



Testing area

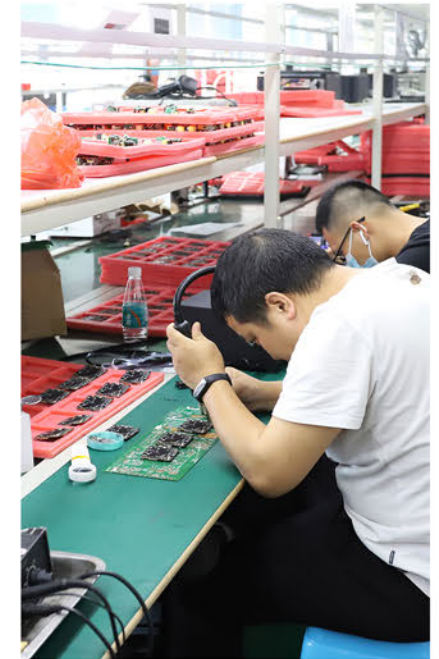


Partition zone



WHY YOU CHOOSE US

1. Long term supplier for HUAWEI,BYD;
2. All-in-one accessory supporting services:such as BMS system,inverter,solar panel and other accessories;
3. Support customization;
4. Provide Brand authorization Usage from local city;
5. Provide overseas Tiktok live broadcast team to expand online popularity and create store features for you;
6. Commissions refund if matching annual value sales.



CELLS ADVANTAGE

- ✓ Battery cells supplier for HUAWEI & BYD
- ✓ Continuous supply quantity
- ✓ ≥ 6000 longer cycle life@0.5C 80%DOD
- ✓ Storage performance
- ✓ Faster Charging Time
- ✓ Environmentally friendly

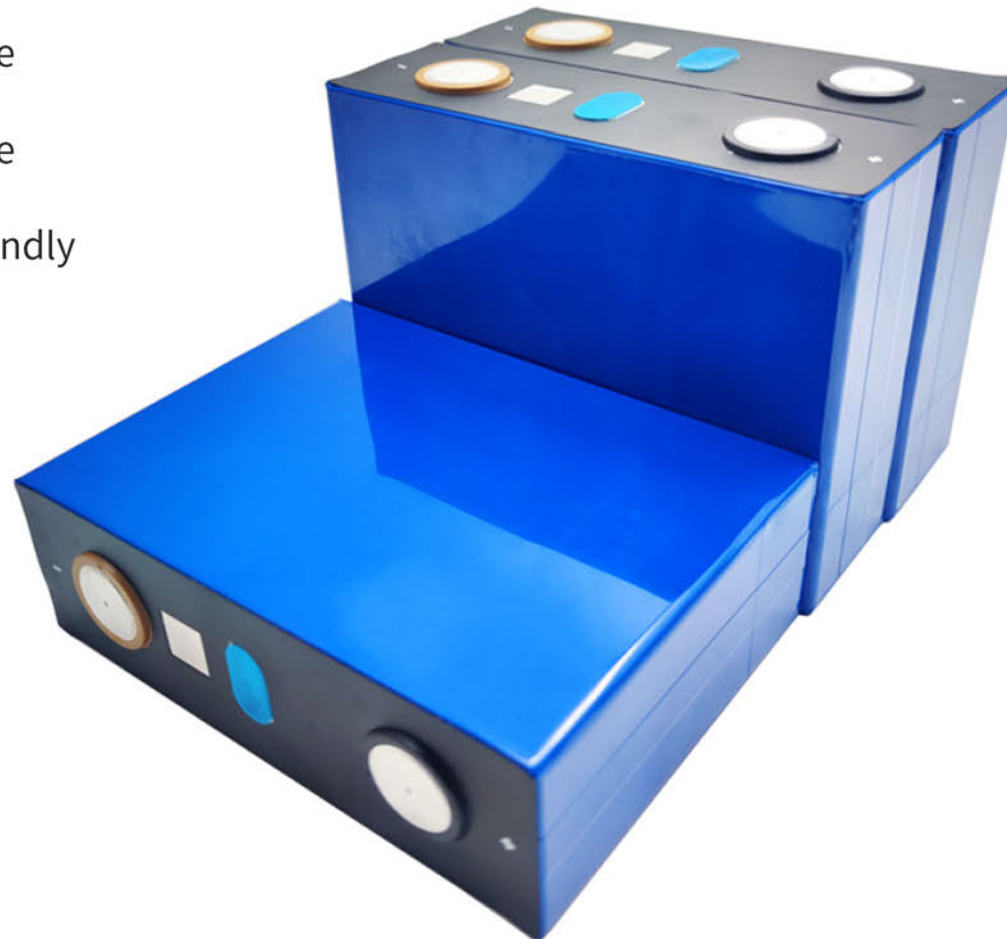


3.2V 52AH GOTION BATTERY CELLS

ITEMS	SPECIFICATION
Norminal Capacity	52Ah
Norminal Votage	3.2V
Operation Voltage	2.0-3.65V
Max Continuous Discharging Current	1C
Max Discharging Current	5C(10S)
Max Charging Current	1C
Charge Temperature	0°C-55°C
Discharge Temperature	-30°C~55°C
Storage Temperature	-30°C~60°C
Dimension	28*148*115mm
Cell Weight	950±15g
Energy Density	180Wh/kg

CELLS ADVANTAGE

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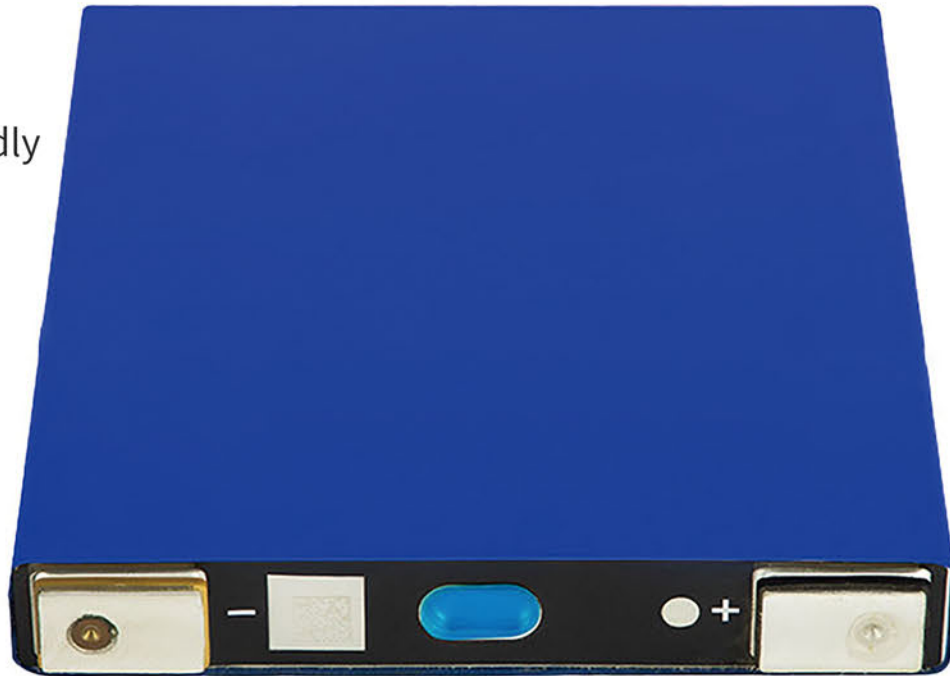


3.2V 102AH GOTION BATTERY CELLS

ITEMS	SPECIFICATION
Norminal Capacity	102Ah
Norminal Votage	3.2V
Operation Voltage	2.0-3.65V
Max Continuous Discharging Current	1C
Maximum Pulse Discharge Current	3.5C
AC Resistance	$0.27\text{m}\Omega \leq R \leq 0.4\text{m}\Omega$
DC Resistance	$0.5\text{m}\Omega \leq R \leq 1\text{m}\Omega$
Max Charging Current	1C
Charge Temperature	0°C-55°C
Discharge Temperature	-30°C~55°C
Storage Temperature	-30°C~60°C
Dimension	160.8*50.4*118.5mm
Cell Weight	1926 ± 30g
Energy Density	168Wh/kg

CELLS ADVANTAGE

- ✓ Battery cells supplier for HUAWEI & BYD
- ✓ Continuous supply quantity
- ✓ ≥ 6000 longer cycle life@0.5C 80%DOD
- ✓ Storage performance
- ✓ Faster Charging Time
- ✓ Environmentally friendly



3.2V 105AH GOTION BATTERY CELLS

ITEMS	SPECIFICATION
Norminal Capacity	105Ah
Norminal Votage	3.2V
Operation Voltage	2.0-3.65V
Max Continuous Discharging Current	1C
Maximum Pulse Discharge Current	3.5C
AC Resistance	$0.4\text{m}\Omega \leq R \leq 0.6\text{m}\Omega$
DC Resistance	$<1.5\text{m}\Omega$
Max Charging Current	1C
Charge Temperature	0°C-55°C
Discharge Temperature	-30°C~55°C
Storage Temperature	-30°C~60°C
Dimension	175*27.5*200mm
Cell Weight	2060±50g
Energy Density	163Wh/kg

BATTERY ADVANTAGE

- ✓ Higher Power
- ✓ Light weight
- ✓ Longer cycle life ≥ 6000
- ✓ Storage performance
- ✓ Increased Flexibility
- ✓ Superior Safety
- ✓ 5 years warranty
- ✓ Wider Temperature Range



5KWH & 10KWH

ITEMS	EOS48-5.0A-E	EOS48-10.0A-E
Battery Energy	5KWh	10KWh
Battery Type	Li-ion	Li-ion
Rated Battery Voltage	48V	48V
Battery Capacity	100Ah	200Ah
Max. Charging Current	100A	150A
Max. Discharging Current	100A(1C)	200A(2C)
Depth of Discharging	6000	6000
Parallel Quantity	1-6	1-6
Installation Method	Wall mounted	Wall mounted
Communication	RS485/CAN/RS232	RS485/CAN/RS232
Dimension(1 Battery)	620*450*120mm	680*400*180mm
Weight(1Battery)	46kg	96kg
IP Grade	IP54	IP54

BATTERY ADVANTAGE

- ✓ Higher Power
- ✓ Light weight
- ✓ Longer cycle life ≥ 6000
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- ✓ Wider Temperature Range



5KWH & 10KWH

ITEMS	EOS48-5.0A-E	EOS48-10.0A-E
Battery Energy	5KWh	10KWh
Battery Type	Li-ion	Li-ion
Rated Battery Voltage	48V	48V
Battery Capacity	100Ah	200Ah
Max. Charging Current	100A	150A
Max. Discharging Current	100A(1C)	200A(2C)
Depth of Discharging	6000	6000
Parallel Quantity	1-6	1-6
Installation Method	Rack mounted	Rack Mounted
Communication	RS485/CAN/RS232	RS485/CAN/RS232
Dimension(1 Battery)	482*430*222 mm	760*530*178 mm
Weight(1Battery)	50kg	98.5kg
IP Grade	IP54	IP54

EOH SERIES

- ✓ Modular Stacking Design , Flexible power use
- ✓ Built-in BMS system , ensures battery safety
- ✓ Pulley Design ,Battery chassis with pulleys
- ✓ Easy installation , plug and play , fuse protection
- ✓ Long use period >15 Years@25°C
- ✓ Superior Safety : Lithium Ion Phosphate chemistry eliminates the risk of explosion or combustion due to high impact overcharging or short circuit situation.
- ✓ 5 years warranty



INVERTER

ITEMS	EOH48-5.0S-CO	EOH48-5.0U-CO
Rated AC Output Power	5,000W	5,000W
Rated AC Output Voltage	230Vac	120Vac
Rated AC Output Frequency	50/60Hz	50/60Hz
Max. PV Open Circuit Voltage	500Vdc	500Vdc
MPPT Voltage Range	120-450Vdc	120-450Vdc
Max. PV Input Power	5,000W	5,000W
Num. of MPPT	1	1

BATTERY 5.12KWh

ITEMS	EOH48-5.0A
Battery Energy	5.12KWh
Battery Type	Li-ion
Rated Battery Voltage	51.2V
Battery Capacity	100Ah
Max . Charging Current	100A(1C)
Max. Discharging Current	100A(1C)
Parallel Capacity	1-4
Life-Span 80% DOD	6000
Installation Method	Stacked
Noise	<60dB
Communication	RS485/CAN/RS232
IP Grade	IP21
Dimension(1 Inverter)	602*403*139mm
Weight(1 Inverter)	25kg
Dimension(1 Battery)	602*403*200mm
Weight(1 Battery)	55kg

LIFEPO4 BATTERY



- ✓ Higher Specific Energy
- ✓ Cycle life:6000+ @0.5C 80% DOD
- ✓ Support Parallel operation
- ✓ Support deep customization
- ✓ Environmentally friendly



Application area: Outdoor and indoor UPS and battery back up systems;
 Portable and cordless household appliances;
 Medical equipment; Motorcycles, toy cars; Camping trailers, RVs, etc.
 Lighting equipment, emergency lights, etc. And many other applications.

ITEMS	12.8V 100Ah
Cell Type	LiFePO4
Volt	12.8V
Capacity	100Ah
Charge Voltage	14.6V
Energy	1280Wh
Maximum Continuous Charging	100A
Maximum Continuous Discharge Current	100A
Weight	10.82KG
Size	L329*W173*H214mm

ITEMS	12.8V 200Ah
Cell Type	LiFePO4
Volt	12.8V
Capacity	200Ah
Charge Voltage	14.6V
Energy	2560Wh
Maximum Continuous Charging	200A
Maximum Continuous Discharge Current	200A
Weight	23.3KG
Size	L522*W239*H218.5mm

PORTABLE POWER STATION



ITEMS	1000W	1500W
Specifications	Capacity: 1008Wh Type: LiFePO4 PACK: 3P7S	Capacity: 1497Wh Type: LiFePO4 PACK: 1P9S
Output AC	1000W/1200W Max AC pure sine wave efficiency: 95%	1500W/1800W Max AC pure sine wave efficiency: 95%
Output DC	Car Charger 12.5V/10A DC5521Output*4 13V/8A	
Output USB	3 Port 5V/9V/12V,18W Max 2 Port Type-C 18W 1 Port Type-C 100W	
LED lighting	8W LED, 6000K, 800LM	
Weight	13.2kg	17.1kg
Charging Mode	DC charging adapter / bidirectional charging (optional)	
Dimensions	412mm X 245mm X 285mm (L x W x H)	

ENERGY STORAGE CABINET



Efficiency

80 million loads handle



Safety

Active balancing and physical isolation



Flexible Assembly

Standard modular design



ITEMS	XN1-200
Cell Type	LFP 3.2V/0.5C/280Ah
Rated capacity	200KWh
Rated Power	100KW
Voltage Range(DC)	560~817.6Vdc
Rated Voltage(AC)	0.4KV
Rated Current(AC)	150A
Depth of Discharging	95%DOD
Efficiency	>=91%
Life-Span 80%DOD	>=6000
Ingress Protection (IP)	IP55
Working Temperature	25~55°C
Dimensions (H*D*W)	1373*1276*2272mm
Weight	1500kg

ENERGY STORAGE CONTAINER



ITEMS	1.3MWh
Cell Type	3.2V 304Ah
Rated Capacity	1.3MWh
Battery Configuration	224S6P
Voltage Range(DC)	600~900v
Rated Voltage(AC)	400v
Rated Current(AC)	750A
Life-Span	10 years
Ingress Protection (IP)	IP54
Working Temperature	-25~55°C
Dimensions	6058*2438*2591mm
Weight	30t

SOLAR INVERTER

- ✓ Pure sine wave solar inverter
- ✓ High PV input voltage range
- ✓ Battery independent design
- ✓ Battery equalization function to optimize battery performance and extend lifecycle
- ✓ Built-in anti-dusk kit for harsh environment
- ✓ Reserved RS485, CAN port for BMS



ITEMS	REVO VM IV 8000-48
Rated Power	8000VA/8000W
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	16000VA
Efficiency(Peak)	up to 93.5%
Transfer Time	10 ms (For Personal Computers); 20 ms (For Home Appliances)
Waveform	Pure sine wave
BATTERY	
Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	60VDC
SOLAR CHARGER & AC CHARGER	
Maximum PV Array Open Circuit Voltage	450VDC
Maximum PV Array Power	4000W*2
MPPT Range @ Operating Voltage	120-450 VDC
Maximum Solar Charge Current	120A
Maximum AC Charge Current	120A
Maximum Charge Current	120A
PHYSICAL	
Dimension,D x Wx H(mm)	420X561.6X152.4
Net Weight (kgs)	21
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

SOLAR INVERTER



Flexible Rate Tariff

Charge from the grid at off-peak times when energy is cheaper, and discharge at peak times when energy is more expensive.



Multiple working modes

CHLISS series supports four working modes

1. Self Use
2. Time of Use
3. Backup Power
4. Grid Priority



Safe

Physical and electrical dual isolation

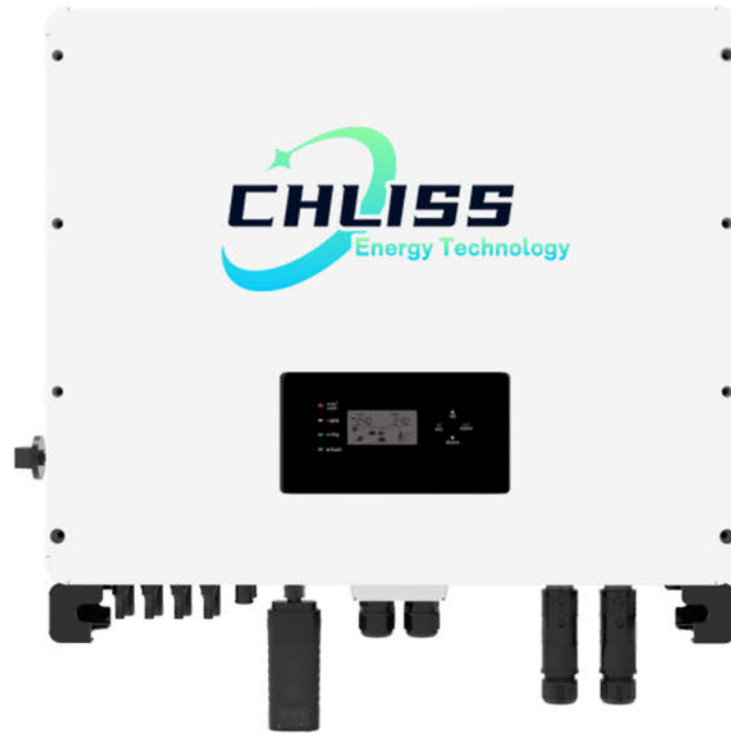
AFCI function integration

AC overcurrent, AC overvoltage, Over temperature protection, IP65 protection grade



Quick backup

Provides backup load with a transfer time less than 10 ms.



ITEMS	CHLISS 3P series				
EFFICIENCY					
DC Max. efficiency	98.00%				
Europe efficiency	98%				
INPUT (PV)					
Max. power (kW)	8	9.6	12.8	16	19.2
Max. DC voltage (V)	1000				
MPPT voltage range (V)	180~900				
Max. input current of single MPPT (A)	16/16				
MPPT tracker/strings	2/1				
AC OUTPUT					
Rated output power (kW)	5	6	8	10	12
Max. output current (A)	8	9.6	12.7	15.9	19.1
Grid voltage/range (V)	400/360~440				
Frequency (Hz)	50 / 60				
PF	0.8 lagging-0.8 leading				
THDi	<3%				
AC output topology	3W+N+PE				
BATTERY					
Battery voltage range (V)	125-600				
Max. charging voltage (V)	600				
Rated battery voltage (V)	300				
Max. charge/discharge current (A)	40				
Battery type	Lithium / Lead-acid				
DISPLAY AND COMMUNICATION					
Display	LCD				
Interface	Standard: RS485, CAN, DRM; Optional: Lan, Wifi, 4G, Bluetooth				
Safety standard	CE-EMC/ENEC 61000-6-3:2021, ENIEC 61000-6-1:2019; CEVOC/IEC 62109-1:2010, IEC 62109-2:2011, EC 62477-1:2022; COC/VDE 4105:2018, VDE 0124:2020; COC/CE10-21:2022; COC/TORT type A/B:2022, OVER25:2020; G98:2022. G99:2022				

Usage Scenario

