



CHINT POWER





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Scope of business: PV inverter, Storage converter, PV combiner box, C&I storage turnkey, Prefabricated PV system, Prefabricated ESS;

2020-2021

- World's largest output power string inverter 275kW released
- Obtained Tesla qualified supplier review
- Took US PV market top1 for 6 years in row
- Tibet 50MW PV+Storage project connected to grid
- Wenzhou Taihan 550MW Aisan biggest floating
 PV station
- First US product released in 2014
- First time to achieve top US three-phase string inverter market share in 2015
- Set foot into storage area in 2016
- First storage project operated in 2017
- Top1 Korea PV market share in 2019

2009-2013

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- Chint Power established in 2009
- First product released in 2010
- 13% China market share in 2012

2014-2019

 Ranked 5th inverter shipment among Chinese enterprises

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2022

- Bloomberg Global Inverter Financing ranked 4th
- World's biggest power density fan-cooling battery cabinet released

Strong production and delivery capabilities

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Chint Power- PV Inverter capabilities MW **19GW** 19000 18000 17000 16000 15000 14000 13000 12000 11000 10000 9000 8000 7000 6000 5000 4000 3000 2000 1000 20101 20111 20121 20131 20141 20151 20161 20111 20181 20181 20191 20201 20211 20221 20231



Shanghai Factory, Jiaxing Factory: Whole series product manufacture, testing;





storage product manufacturing base;



Thailand Factory: US product manufacturing base;

Strong production and delivery capabilities

2000MWh

Chint Power- storage product capabilities

20104 20124 20124 20124 20124 20124 20124 20124 20124 20124 20124 20124 20124 20124 20124 20124

MWh

2000

1800

1600

1400

1200

1000

800

600

400

200



Shanghai Factory, Jiaxing Factory: Whole series product manufacture, testing;

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US product manufacturing base;

Thailand Factory:

manufacturing base;

2022 Inverter performance in the global market



2022 Inverter Bankability Ranking - Chint Power Ranked 4th in the world



彭博《2022年组件与逆变器融资价值排名》 BNEF's 2022 inverter bankability survey results

Data source : Bloomberg

In BloombergNEF's **2022** Inverter Bankability Survey, the CPS inverter once again gained trusts from users, the brand

ranked **No.4** among the global competitors, 4 ranks higher than last year.



CPS ESS Residential Solution



Residential Low Voltage Battery ESSR 5~20KL1 Series

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Strong

• IP65 Protection

Natural cooling design

Safe

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- VDE 2510-50, IEC 63056
- LFP cell with maximum safety and life

Flexible

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POWER LEA

- 2.5kW/5kWh Pack、 Standard Packs and control modules
- Automatically assign
 of BMS address

Easy

Residential High Voltage Battery ESSR 5~20KH1 Series

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Self heating

Working below -10°C

OWER LEA

POWER LEA

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Powerful

C-rate up to **0.7**5

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 3.7kW for each battery pack. Get 10kW power from only 15kWh

IP65 Protection

POWER LEA

Natural cooling design

Strong



The connection between modules have done entirely by the terminal

Non external cable connect required

Max support 60kWh operation



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Max 4 module in one rack 20kWh Max 3 rack in parallel 60kWh

Residential Hybrid Inverter



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Strong

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Compatible with (500W+) modules

Remote configuration and upgrade

Easy

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APP Quick commissioning

Smart

- Self Used Mode
- Time of Use Mode,
- Feed-in Priority Mode
- Back-up Mode

UPS level off grid switch

Real hybrid inverter, integrated off grid function **No external device required**

Grid on Grid of Back up port Construction of the second of the second



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Strong ability of unbalanced 3-Phase Output

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Strong ability of unbalanced 3-Phase Output



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Off-grid mode



100% unbalance ability50% max power for one phase supported



EMS Working Mode

Intelligent work mode integrated in inverter



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Self use mode

Energy priority : Load > Battery>Grid

Force time use mode

Charging energy priority: Battery >Load >Grid Discharging energy priority: Load >Battery >Grid

Back up mode(off grid)

• Energy priority: Battery >Load >Grid

Feed in priority mode

Energy priority : Load > Grid>Battery

Self use mode



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Self use mode

- Energy priority : Load > Battery>Grid
- This mode used in the area that low feed in tariff and high energy price.
- Switch on Power Limit function(need a smart meter) to limit power export to the grid.

Feed in priority mode



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Feed in priority mode

- Energy priority : Load > Grid>Battery
- This mode used in the area that energy can feed in grid.

Force time use mode



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Force time use mode

- Charging energy priority: Battery >Load >Grid
 Discharging energy priority: Load >Battery
 >Grid
- This mode used in the area that energy price between peak and valley.
- Charge and discharge time can be set flexible, also allows to choose whether charge battery from grid or not.
- Charge Current rate programed

Back up mode



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Back up mode

- Energy priority: Battery >Load >Grid
- This mode used in the area that grid system unstable.
- Choose whether charge battery from grid or not.
- In this mode, battery will not discharge until grid is lost.
- When the grid lost, the hybrid inverter will switch to off-grid mode and power the emergency load in less than 10ms

