GOODWE
SOLAR ACADEMY

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GoodWe Products & Solutions 2026 SSA Region

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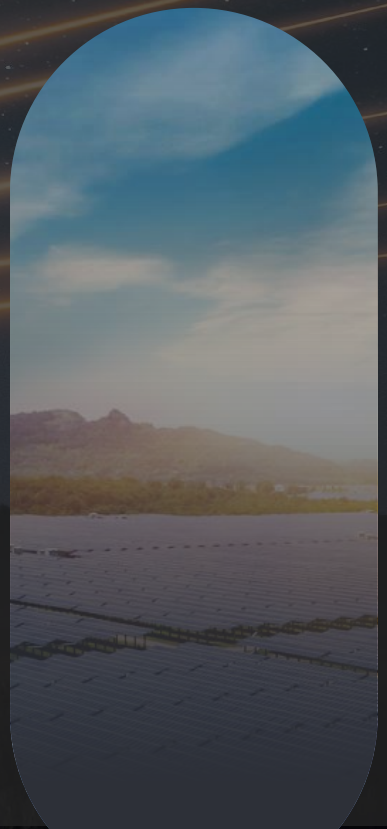
02 SSA Strategic Planning

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01 Presentation de Goodwe





Vision

Driving the world's smart energy future

Mission

We are determined to become a major driving force in the global energy transition, building a sustainable future.



Milestones Shaping Our Energy Transition Path

GoodWe has transitioned from an inverter manufacturer to a comprehensive energy solutions provider

2010-2014 EXPLORATION

Building a solid foundation in inverter R&D

2015-2019 GROWTH & LEADERSHIP

Emerging as a global leader in energy storage and inverter technology

2020 Till Now REVOLUTION

Building smart energy ecosystems through scenario-based innovation

2010

GoodWe Founded

2011

Launched GoodWe's First PV Inverter

2014

Launched the first residential storage inverter, backed by its pioneering energy storage R&D that began in 2012

2015

GoodWe Australia Subsidiary Established

2018

GoodWe European subsidiary established in Germany

2019

No.1 Hybrid Inverter Supplier Worldwide (WoodMackenzie)

2020

Listed in Shanghai Stock Exchange

2022

Expanded from residential product to C&I and Utility product, providing scenario -based energy solutions

2024

Launched heat pump factory, completing the final piece of our smart energy ecosystem

2025

Put forward an advanced smart energy integration of "generation, grid, load, storage, intelligence " strategy, accelerating the world's smart energy transition

Together We Grow, Together We Achieve

Investing in innovation and empowered by our people, we co-create, achieve accolades, and pursue enduring growth.

GoodWe Family

8000+
Total number of employees

□00 +
Overseas employees

R&D

~1500
R&D staff

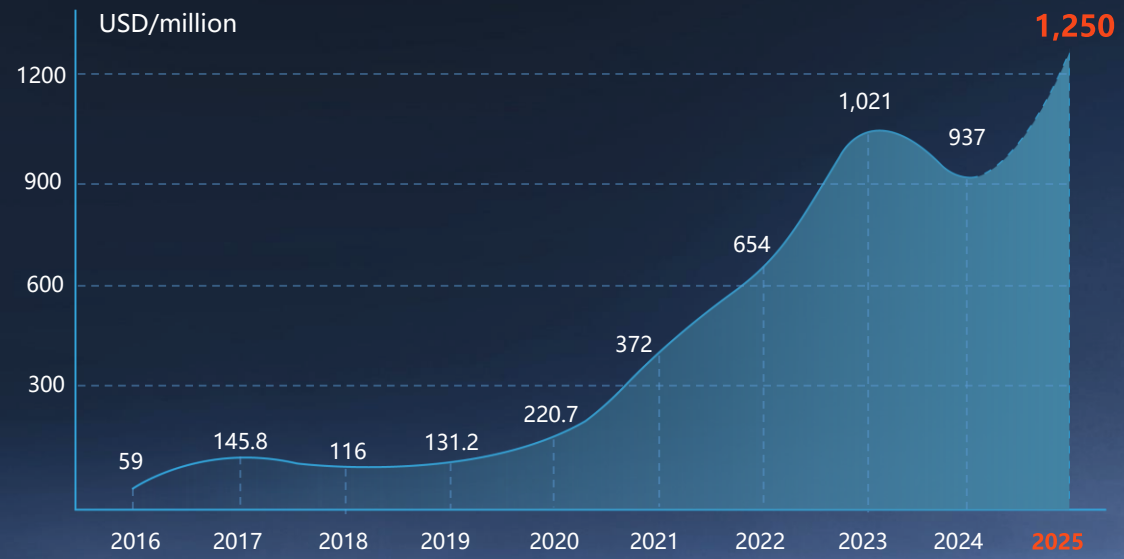
8%
of our revenue invested in R&D

5
R&D centers (Suzhou, Shenzhen, Wuhan, Nanjing, Shunde)

Awards

Tier 1 PV Inverter Supplier · TIER 1 Bloomberg Solar Inverter Brand · SILVER 2022 ecovadis Sustainability Rating · Storage NO.1 Hybrid Wood Mackenzie · TÜVRheinland Precisely Right. ALL QUALITY MATTERS AWARD

Global Sales Revenue



Where We Operate

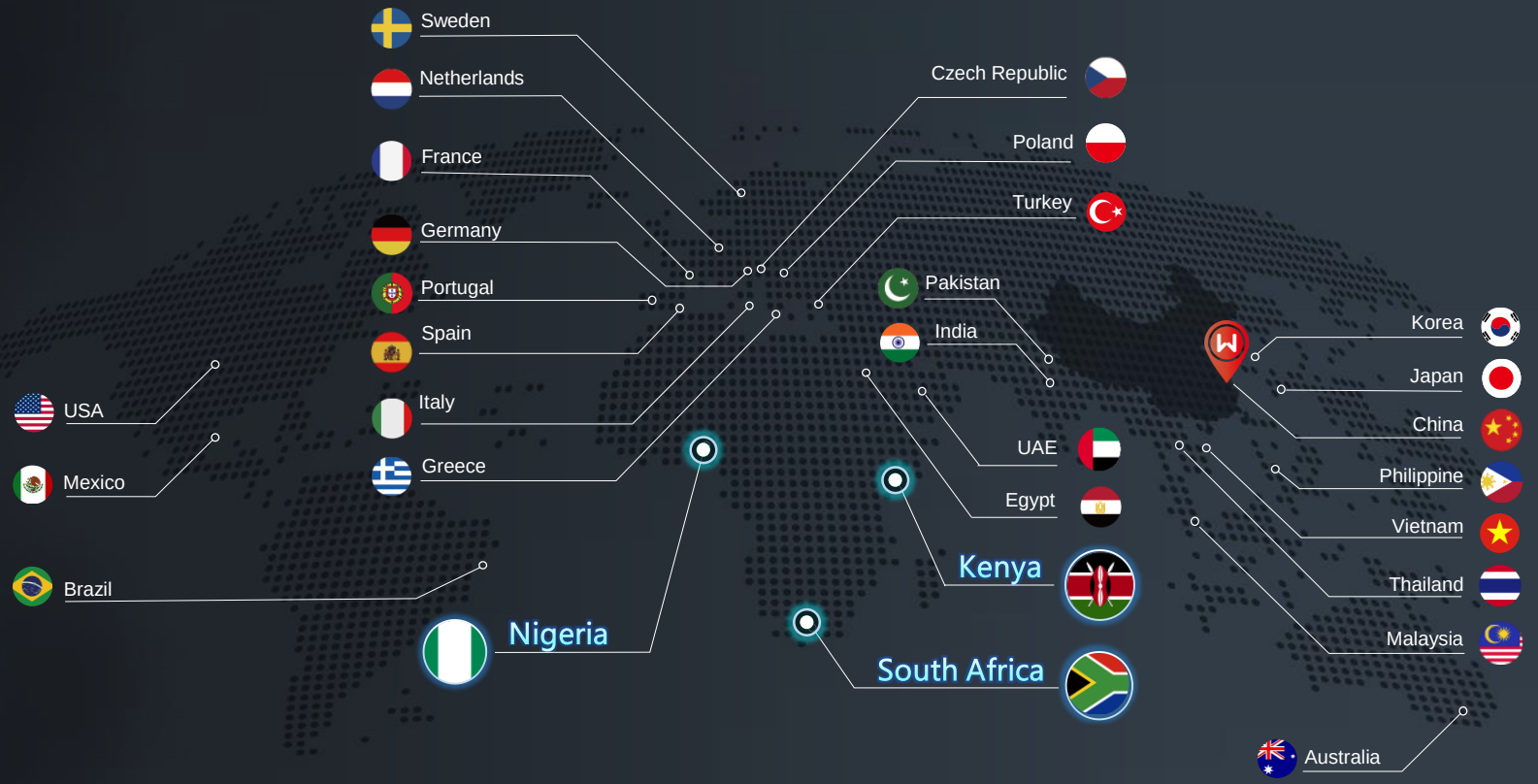
Driven by our customer-centric approach, GoodWe has established a global network of production, sales, and service to stay closer to customers and deliver timely, reliable service.

5 Manufacturing Sites

4 in China (Suzhou,2 in Guangde, Shunde)
1 in Vietnam (Haiphong)

15 Overseas Subsidiaries

South Africa,Kenya,Nigeria,Australia, Germany, Benelux, United Kingdom, Japan, United States, South Korea, Spain, Poland, Singapore, Vietnam, UAE



29 Sales & Service Centers

Our Global Headquarter

An ultra-low energy consumption building, serving as a model for future zero-carbon workplace

Annual Power Generation: **500MW**

Comprehensive Energy-Saving Rate: **52.18%**

Renewable Energy Utilization Rate: **34.41%**

(Solar PV: 17.2% , Solar Thermal: 2.1% , Geothermal: 15.1%)



GoodWe Smart Energy Innovation Center, Suzhou, China



Our Manufacturing Capability

With advanced facilities and stringent quality standards, GoodWe ensures high-quality manufacturing and delivers reliable smart energy solutions for customers worldwide.

35 GW/year
Solar inverter production capacity

30 GWh/year
Battery production capacity

135 GW
Global accumulative installation capacity

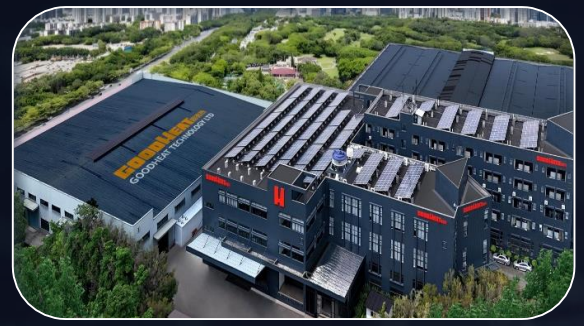
(as of Q1 2026)



Suzhou Factory, China



Guangde Factory (Phase III), China



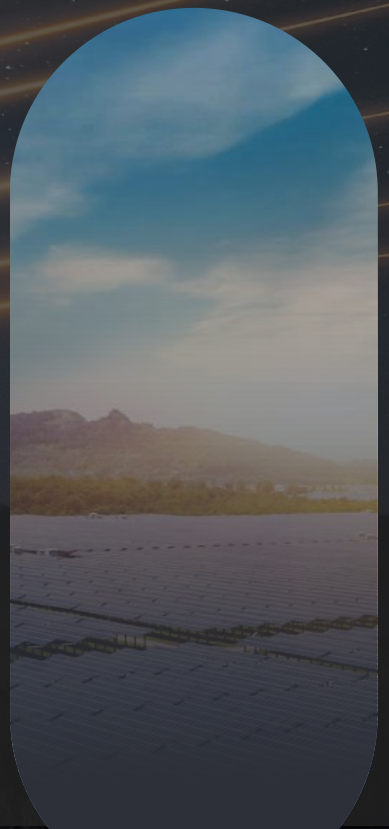
Shunde Factory, China



Haiphong Factory, Vietnam

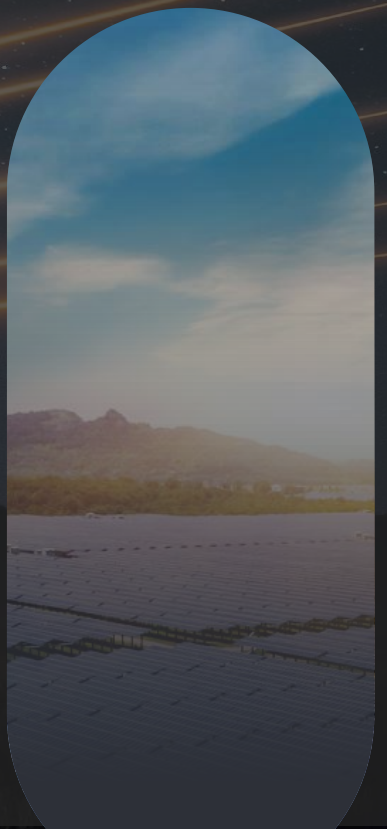
02 SSA Strategic Planning





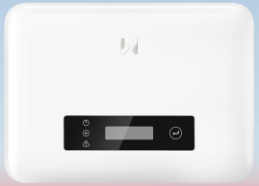
03 Residential Products and Solutions





Residential On-grid Inverter Products

Single Phase On-grid Inverter



XS G3 0.7-3.3K

200% PV input utilization
1 MPPT,1 string per MPPT,
Max. string input current 16A
Max. parallel 10 units with Ezlink3000+GM330
IP66



DNS G4 3-6K

200% PV input utilization
2 MPPTs,1 string per MPPT,
Max. string input current 20A
Max. parallel 10 units with Ezlink3000+GM330
IP66



MS G4 7.5-10K

200% PV input utilization
3 MPPTs ,1 string per MPPT,
Max. string input current 16/20A
Max. parallel 10 units with Ezlink3000+GM330
IP66

Three Phase On-grid Inverter



SDT G3 4-30K

150% PV input utilization
2/4 MPPTs
Max. string input current 20A
Max. parallel 60 units with Ezlogger3000C/SEC3000
IP66

Residential Energy Storage Products

Single Phase LV Off-grid Inverter



EO G2 3-6K

200% PV input utilization
1/2 MPPTs,1 string per MPPT,
Max. string input current 21A
1 battery port,70-130A
Max. parallel 10 units via RS485
IP66

Single Phase LV Hybrid Inverter



ES Uniq 3-12K

200% PV input utilization
1/2 MPPTs
Max. string input current 16/20A
1 battery port,70-240A
Max. parallel 6 units via Ezlink3000
IP66



ES G3 3-16K

200% PV input utilization
1/2/3 MPPTs
Max. string input current 21A
1/2 battery ports,70-175A
Max. parallel 10 units via RS485
IP66

Three Phase LV Hybrid Inverter



ET LV 5-20K

200% PV input utilization
2/3/4 MPPTs, 1 string per MPPT
Max. string input current 20A
1/2 battery ports,125-250A
Max. parallel 10 units via RS485
IP66

Residential Battery Products

Low Voltage Battery



Lynx A G1 5kWh

100Ah,6000 cycles
0.6C charge/discharge rate
Max. parallel 15 units
IP21



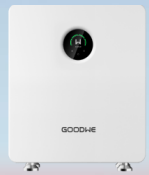
Lynx A G3 5kWh

100Ah,6000 cycles
1C charge/1.5C discharge rate
Max. parallel 30 units
IP20



Lynx A G4 16.1kWh

314Ah,10000 cycles
0.5C charge/0.64C discharge
Max. parallel 30 units
IP65



Lynx A G4 5/10kWh

314Ah, 10000 cycles
1P5S,16V&1P10S,32V
0.6C charge/discharge
Max. parallel 8 units
IP20&IP65

All in one series



ESA 3-10kW/5-108kWh

2/4 MPPTs, max. string input current 20A
each pack 5/8&6/9kWh,max. 12 packs
1C max. charge/discharge rate
Max. parallel 10 units
IP66



ESA 5-30kW/5-108kWh

3/4 MPPTs, max. string input current 21A
each pack 5/8&6/9kWh,max. 12 packs
1C max. charge/discharge rate
Max. parallel 10 units
IP66

New product Features

Built-in smart DC breaker



Lynx A G4 (5kWh)

Lynx A G4 (10kWh)

- 314Ah high-capacity cells
- 10000 cycles lifespan
- Up to 8 units to parallel
- 5kWh: IP20 10kWh: IP65
- Touchscreen for easy interaction
- Built-in DC-DC module, support mix parallel new & old and 5&10kWh batteries
- Mix parallel with different battery SOC
- 130% overload for 10s
- 0.6C charge/discharge rate
- 10kWh battery supports optional configuration of aerosol fire suppression and heating function
- Equipped with breaker which will switch off when occurs trouble
- Supply the battery power cable and Com cable
- Stacked/Wall/Floor mount

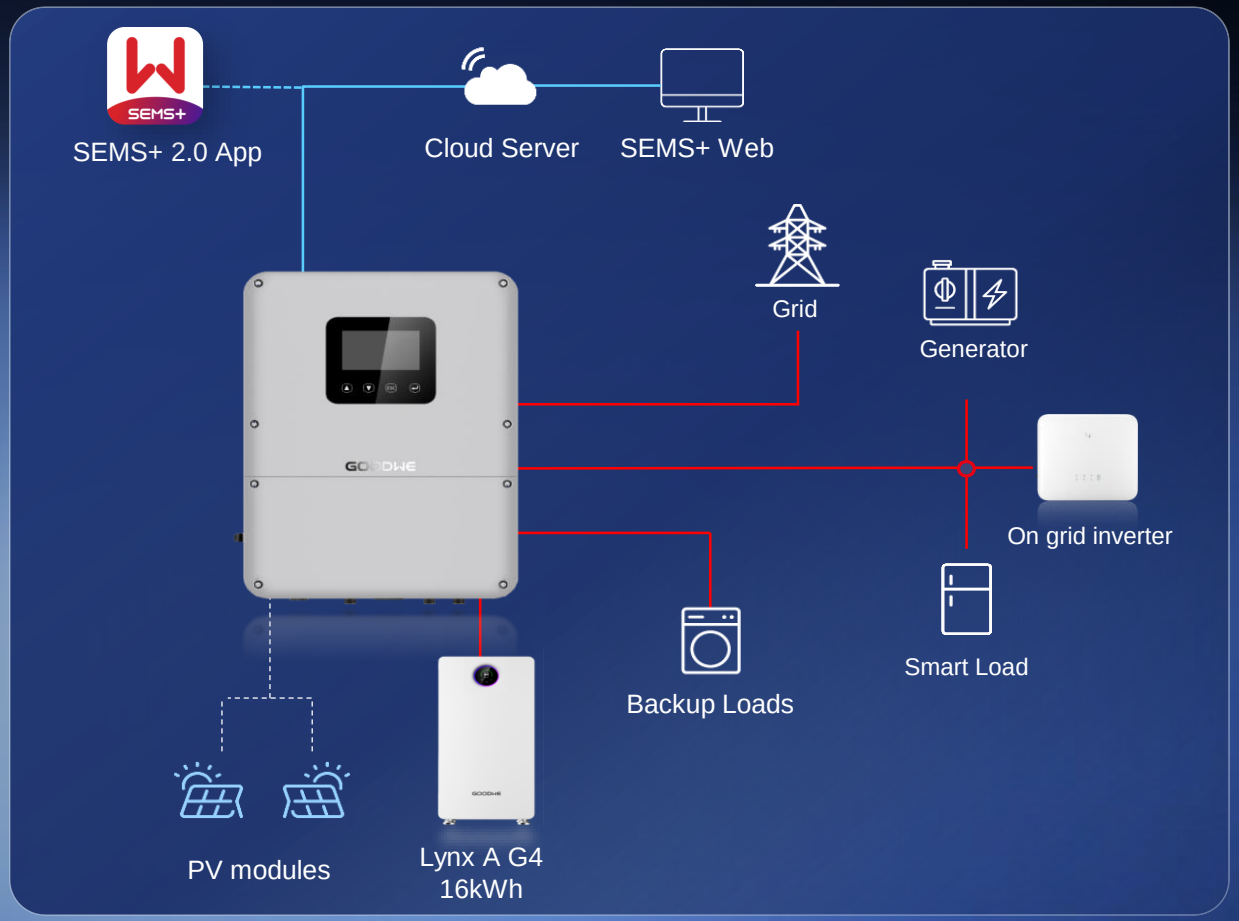
Built-in smart DC breaker



Lynx A G4 (16kWh)

- 314Ah high-capacity cells
- 10000 cycles lifespan
- Up to 30 units to parallel
- IP65
- Touchscreen for easy interaction
- Support continuous 0.5C charging & 0.64C discharging
- Standard configuration with aerosol fire suppression
- Thermal-electric separation
- Built-in current limiter for easier recharge maintenance
- Compatible with single-phase and three-phase inverters
- Noise emission ≤35dB
- Equipped with breaker which will switch off when occurs trouble
- Supply the battery power cable and Com cable

EO G2(3-6kW) Solution



LOW LCOE
Cost effective, long lifetime

Commissioning
5mins

Max. System Capacity
6kW/480kWh(single unit)
60kW/4.8MWh(parallel)

Warranty
5years

System
Single-phase to group three-phase

Service
Training for installation and Commissioning anytime

4.3inch color touch screen

Long lifetime > 10 years

Support Black Start

Built -in Bluetooth & WiFi

up to 2 MPPTs 2 strings with 21A input

IP66 protection level

Batteries compatibility of EO G2 series:

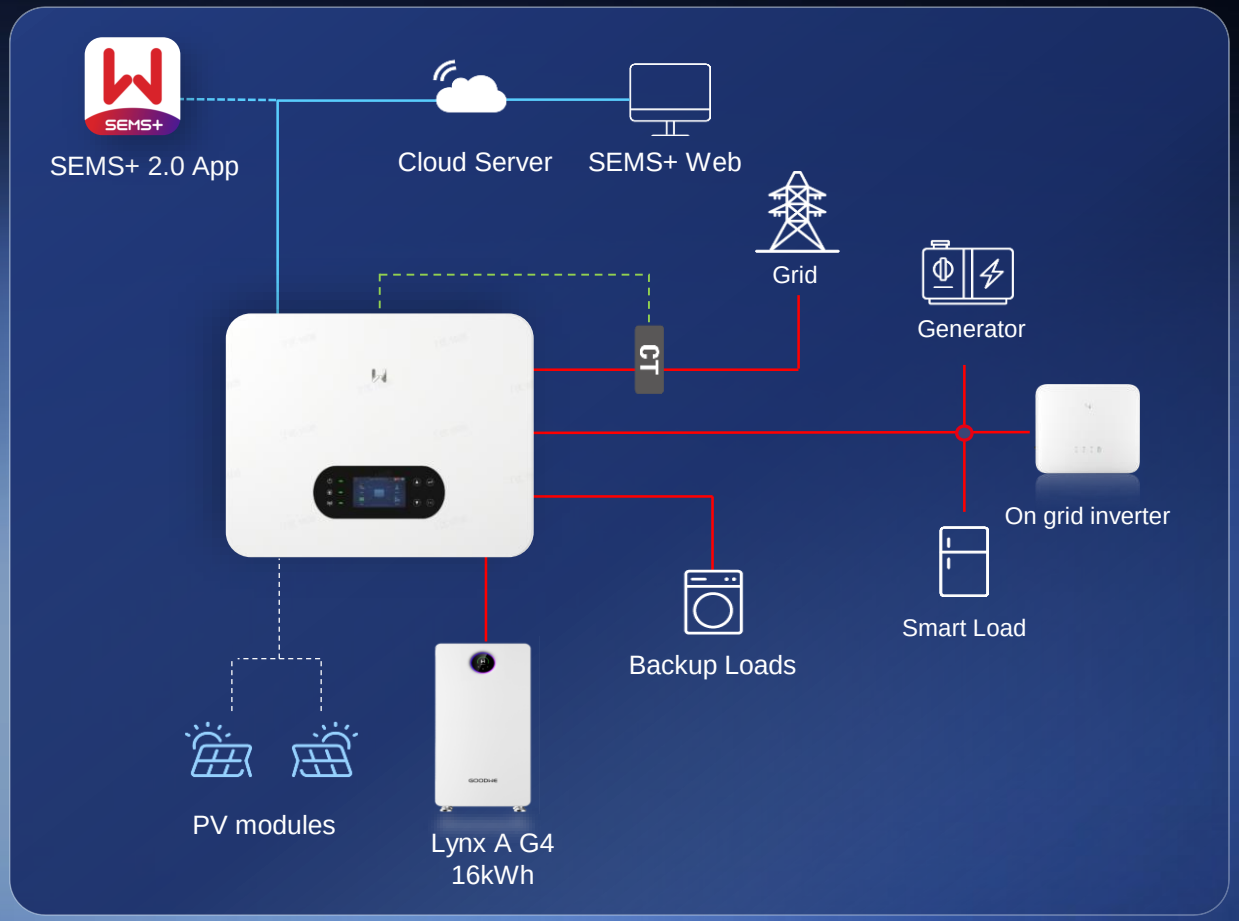

Lynx A G1
(5kWh)


Lynx A G3
(5kWh)


Lynx A G4
(5/10kWh)


Lynx A G4
(16kWh)

ES Uniq (3-12kW) Solution



LOW LCOE
Cost effective, long lifetime

Commissioning
5mins

Max. System Capacity
12kW/480kWh(single unit)
72kW/2.88MWh(parallel)

Warranty
10years

System
Single-phase to three-phase

Service
Training for installation and Commissioning anytime

4.3inch color touch screen

Micro-grid operation with on grid inverter

200% PV input utilization

Smart load control

up to 2 MPPTs 4 strings with 20A input

Low noise< 30dB

Batteries compatibility of ES Uniq series:

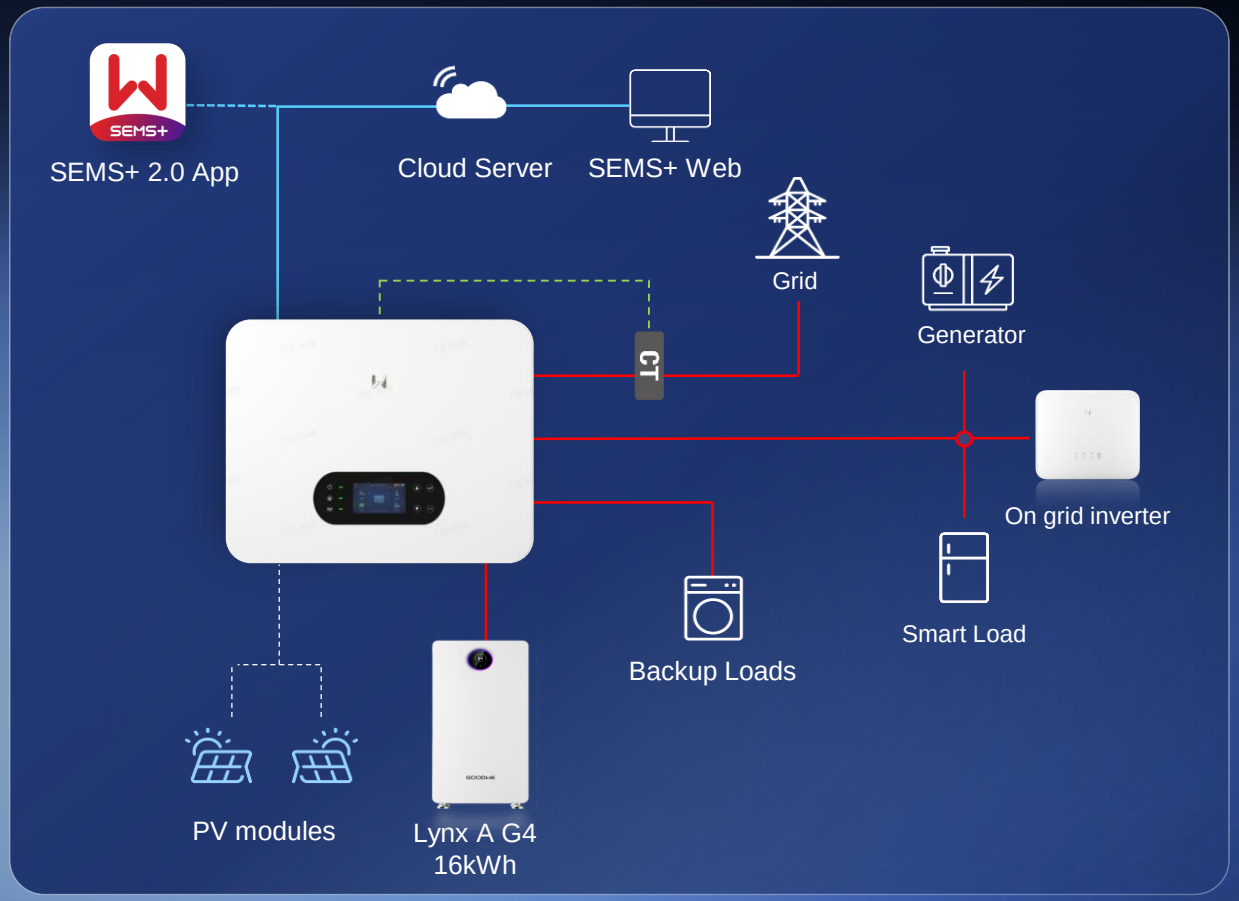

Lynx A G1
(5kWh)


Lynx A G3
(5kWh)


Lynx A G4
(5/10kWh)


Lynx A G4
(16kWh)

ES G3(3-16kW) Solution



LOW LCOE
Cost effective, long lifetime

Commissioning
5mins

Max. System Capacity
16kW/480kWh(single unit)
160kW/4.8MWh(parallel)

Warranty
10years

System
Mixed power parallel

Service
Training for installation and Commissioning anytime

4.3inch color touch screen

Micro-grid operation with on grid inverter

200% PV input utilization

Single-phase to three-phase + 3 phase diesel generator

up to 3 MPPTs 6 strings with 21A input

Low noise< 45dB

Batteries compatibility of ES G3 series:



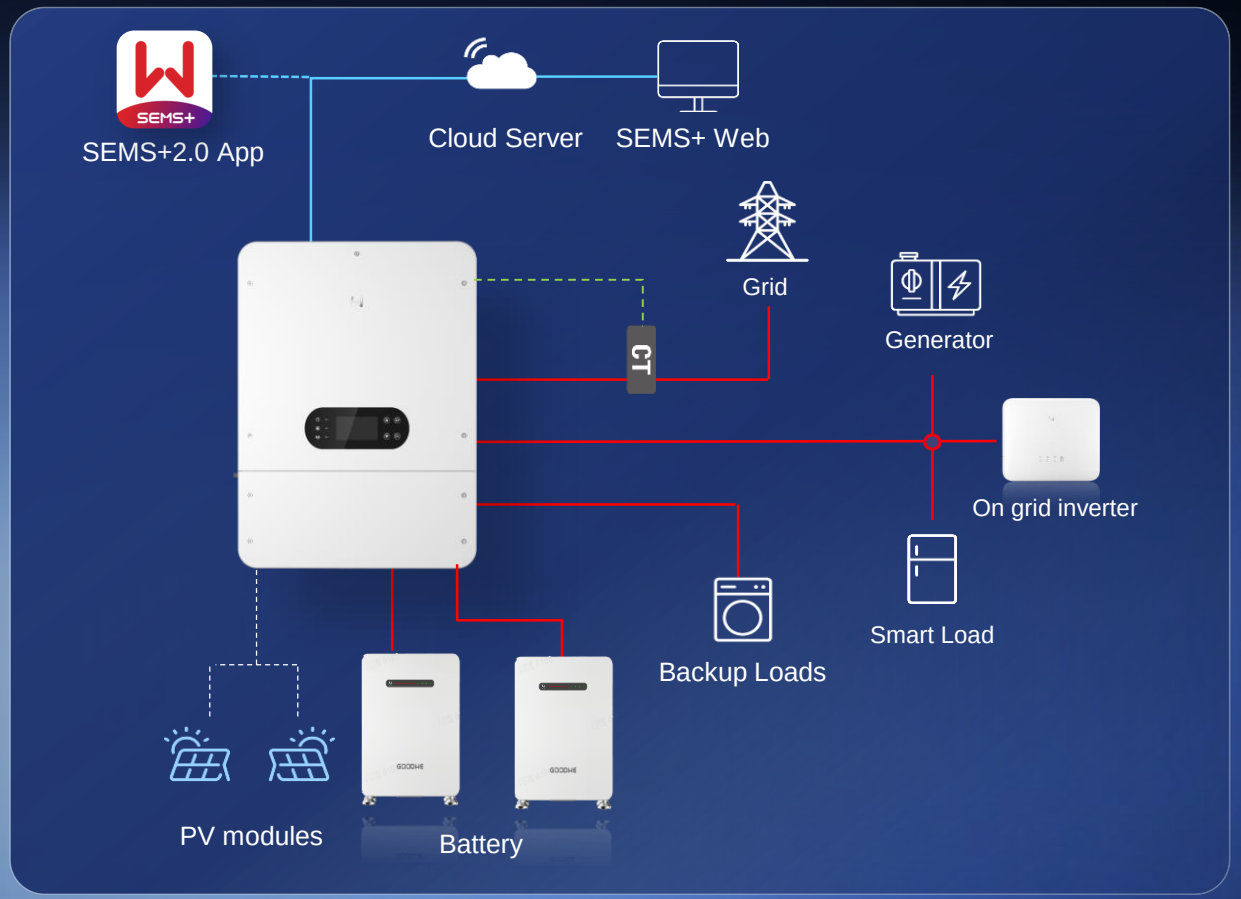
Lynx A G1 (5kWh)

Lynx A G3 (5kWh)

Lynx A G4 (5/10kWh)

Lynx A G4 (16kWh)

ET LV(5-20kW) Solution



LOW LCOE
Low price, long lifetime

Parallel
RS485 parallel without logger

Max. System Capacity
20kW/480kWh(single unit)
200kW/4.8MWh(parallel)

Warranty
10years

Loads Type
All loads of house

Service
Training for installation and Commissioning anytime

150% three phase unbalanced output

Micro-grid operation with on grid inverter

Dual independent battery inputs

Support LV battery

up to 4 MPPTs 4 strings with 20A input

Low noise< 45dB

Batteries compatibility of ET LV series:



Lynx A G1 (5kWh)

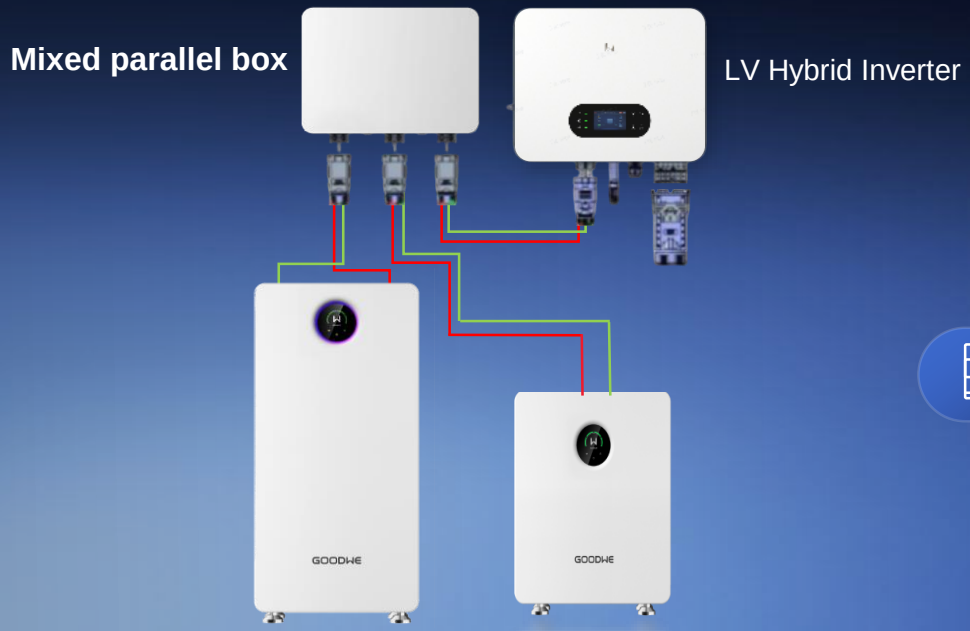
Lynx A G3 (5kWh)

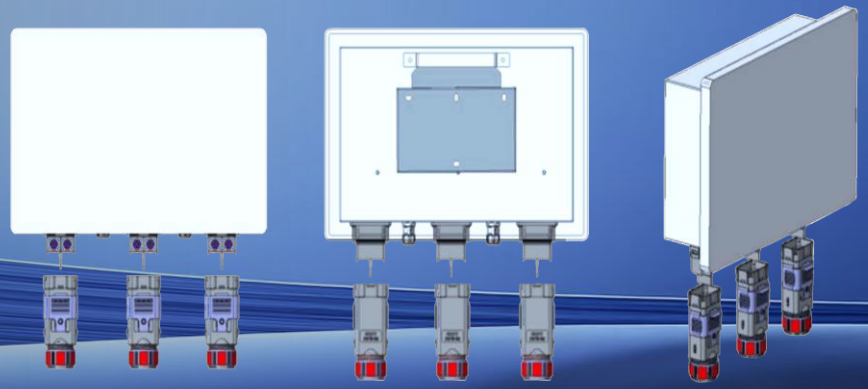
Lynx A G4 (5/10kWh)

Lynx A G4 (16kWh)

Note：only ET LV 15&20kW with 2 battery ports

Mixed parallel box Solution





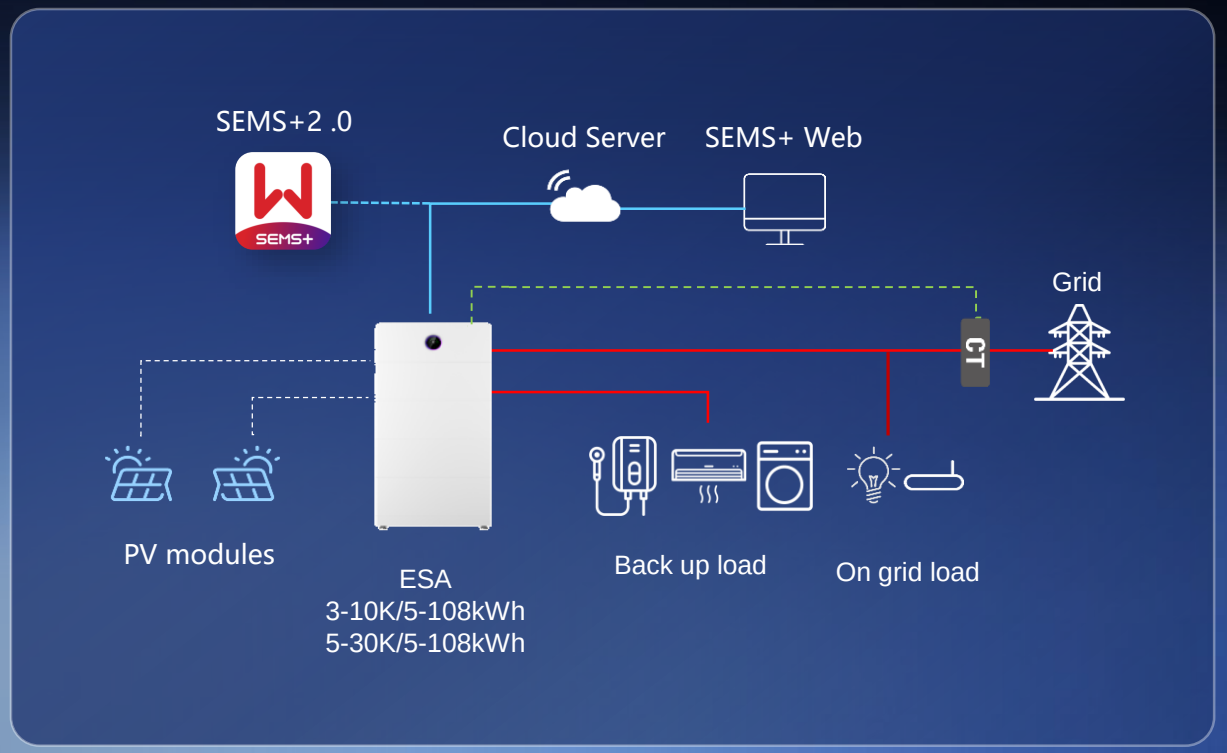
Low-voltage residential energy storage solution

- Battery
- Inverter
- Mix parallel unit
- Software & Accessory

- Enables compatibility between old and new same series battery
- Supports parallel between different LV battery series

Note：Mixed parallel box support connect 2 different types LV batteries (support all GooWe LV bat), up to 30 units to parallel with 2 battery ports

ESA3-10kW/5-108kWh、5-30kW/5-108kWh Solution



Low system cost
All in one design
Modular design

Parallel
RS485 parallel without logger

Max. System Capacity
10kW/108kWh、100kW/1080kWh
30kW/108kW、300kW/1080kW

Warranty
10years

Loads Type
All loads of house

Service
Training for installation and commissioning anytime

200%
PV input utilization

1C charge/discharge

Modular design

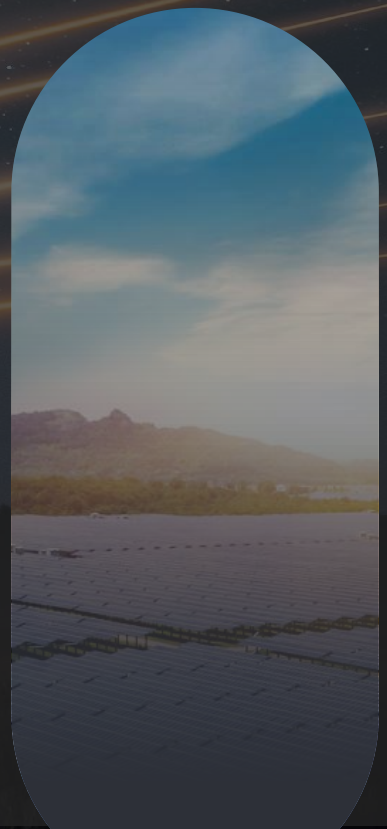
Mixed parallel with different capacity or old & new batteries

Low noise
< 35dB

2 output ports
(on-grid & backup port)

04 C&I Product and Solution





C&I Inverter Products

C&I On-Grid Inverter



SDT G3 30-50kW

180% PV input oversizing
2-4 MPPTsMax. string input current 16/20/21A
Max. parallel 60 units with SEC3000/3000C
IP66



SMT G2 60-80kW

150% PV input oversizing
4-6 MPPTs, IP66
Max. string input current 21A
Max. parallel 60 units with SEC3000/3000C
IP66



GT 100-125kW

150% PV input oversizing
8-10 MPPTs, IP66
Max. string input current string21A
Max. parallel 60 units with SEC300/3000C
IP66



GT 150kW

150% PV input oversizing
10 MPPTs, IP66
Max. string input current string21A
Max. parallel 60 units with SEC3000/3000C
IP66

C&I Hybrid Inverter



ET 25-50K

200%/150% PV input utilization
3/4 MPPTs, IP66
max. string input current 16/21A
1 battery port,100A
110% 3-phase unbalanced output
Max. parallel 10 units with SEC3000C



ET G3 25-50K

200% PV input utilization
3-5 MPPTs , IP66, ＜50dB
max. string input current 21A
2 battery ports:80+80A/100+100A
120% overload@60s, 150%@10s
Max. parallel 10 units with SEC3000C



ET 75-100 kW

200% PV input utilization
8 MPPTs, IP66
max. string input current 21A
2 battery ports:85-110A
120% overload@60s, 150%@10s
110% 3-phase unbalanced output
Max. parallel 10 units with SEC300C



ETR 125kW

200% PV input utilization
6/8/10 MPPTs, IP66, ≤60dB
max. string input current 21A
1 battery ports:200A
120% overload@60s, 150%@10s
Max. parallel 10 units with SEC3000C

C&I Battery Products

C&I Battery



BAT-S 51.2/56.3kWh

100Ah,6000cycles
5.12kWh/pack,10/11 packs
1C/1.1C max. charge/discharge rate
IP20, Natural Cooling
Aerosol Optional, Pack Level
Max. parallel 6 clusters



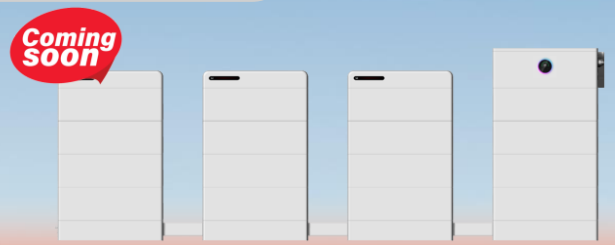
BAT-C 112.6kWh

100Ah,6000 cycles
10.24kWh/pack,9/10/11 packs
0.9C/1.1C max. charge/discharge rate
IP55,AC cooling
Aerosol (Pack & Cabinet Level)
Max. parallel 4 clusters



BAT-C 208.9/261kWh

314Ah,10000 cycles
52.2kWh/pack,4-5 packs
0.6C max. charge/discharge rate
IP55,Liquid cooling
Aerosol (Pack & Cabinet Level)
Max. parallel 4 clusters



BAT-S 64.3-257.2kWh

314Ah,10000 cycles
16.07kWh/pack,4-16 packs
0.6C max. charge/discharge rate
IP65,Fan cooling
Aerosol (Pack Level)
Max. parallel 4 clusters

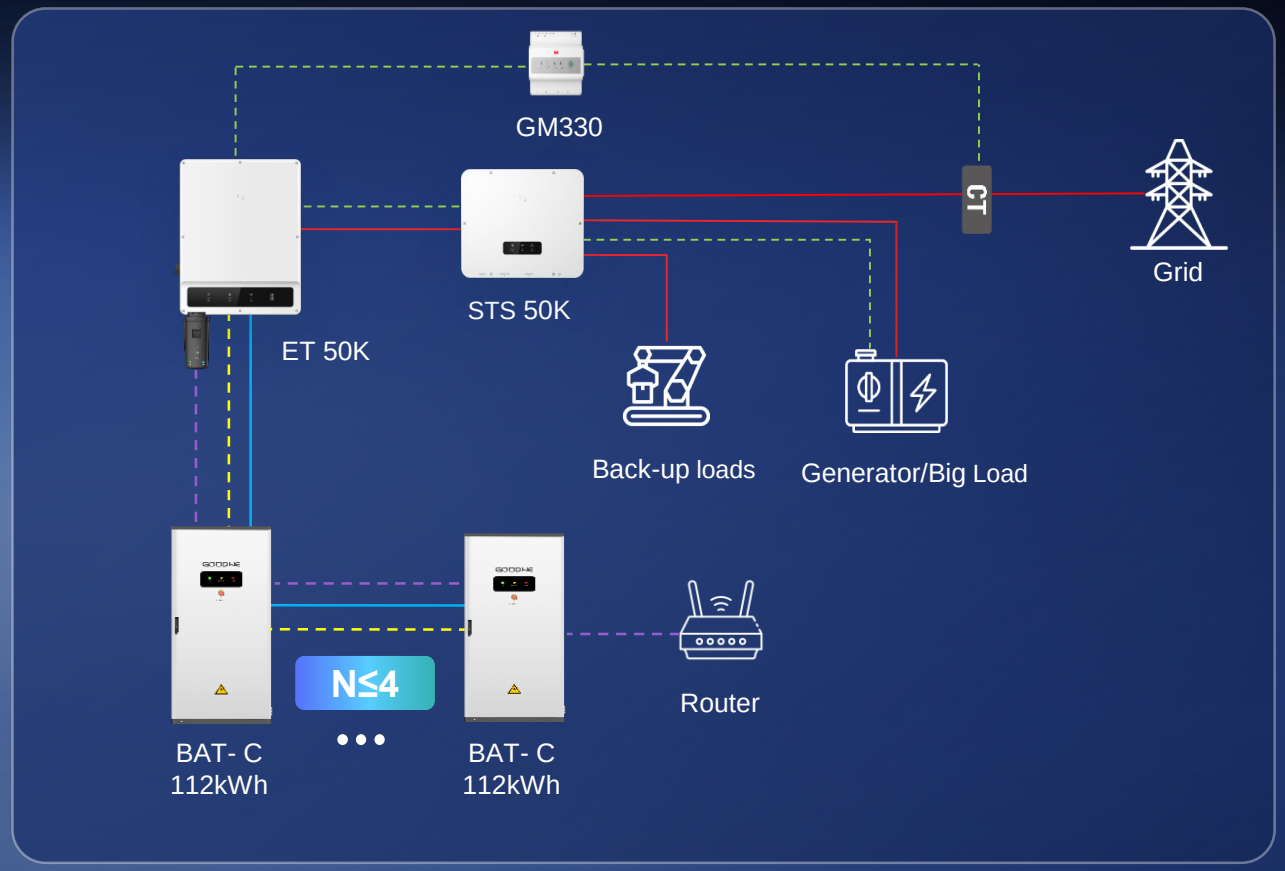
C&I All in one(AC coupled)



ESA 125kW/261kWh

314Ah, 6000 cycles
52.2kWh/pack,5packs
0.6C max. charge/discharge rate
IP54, Liquid cooling
Aerosol (Pack & Cabinet Level)
Max. parallel 20 clusters with SEC3000C

ET 50kW series single unit micro-grid solution :
suitable for unstable power grid scenario



Max. System Capacity
50kW/448kWh

Lower investment cost
Flexibly choose STS

UPS-level switching
≤10ms，ensure uninterrupted operation

Strong inductive load carrying capacity
Reach up to 50%（with VFD）

110% 3-phase unbalanced output

Type I+II SPD optional on DC side

High efficiency up to 98.1%

Plug & Play installations

IP66 protection level

Compatible with 182/210mm modules

Batteries compatibility of ET50K series:



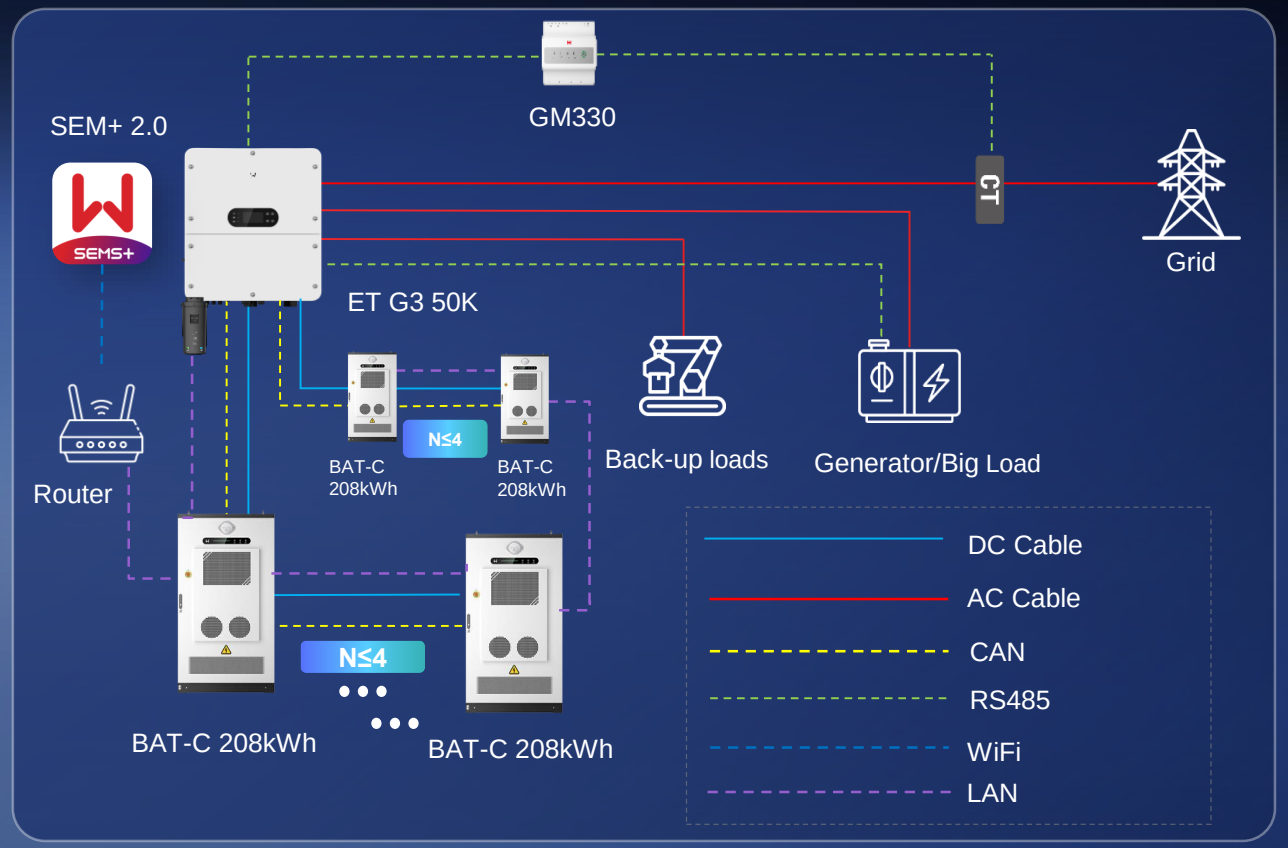
BAT-S
51.2/56.3kWh



BAT-C
102.8/112.6kWh

WiFi
CAN
RS485
AC Cable
DC Cable
LAN

ET G3 50kW series single inverter solution :
suitable for unstable power grid scenarios



- **Max. System Capacity**
  50kW/1.66MWh
- **Lower investment cost**
  Work with big charge/discharge current BAT (up t0 188.4A)
- **0ms switching**
  0ms on/off grid switching,ensure uninterrupted operation
- **Extremely cost-effectiveness**
  Built-in STS, price basically unchanged

- **Support max. (100+100)A Battery current**
- **Low noise < 50dB**
- **200% PV input utilization**
- **130% 3 phase unbalanced output**
- **IP66 protection level**
- **Compatible with 182/210mm modules**

Batteries compatibility of ET G3 50K series:


BAT-S
51.2/56.3kWh

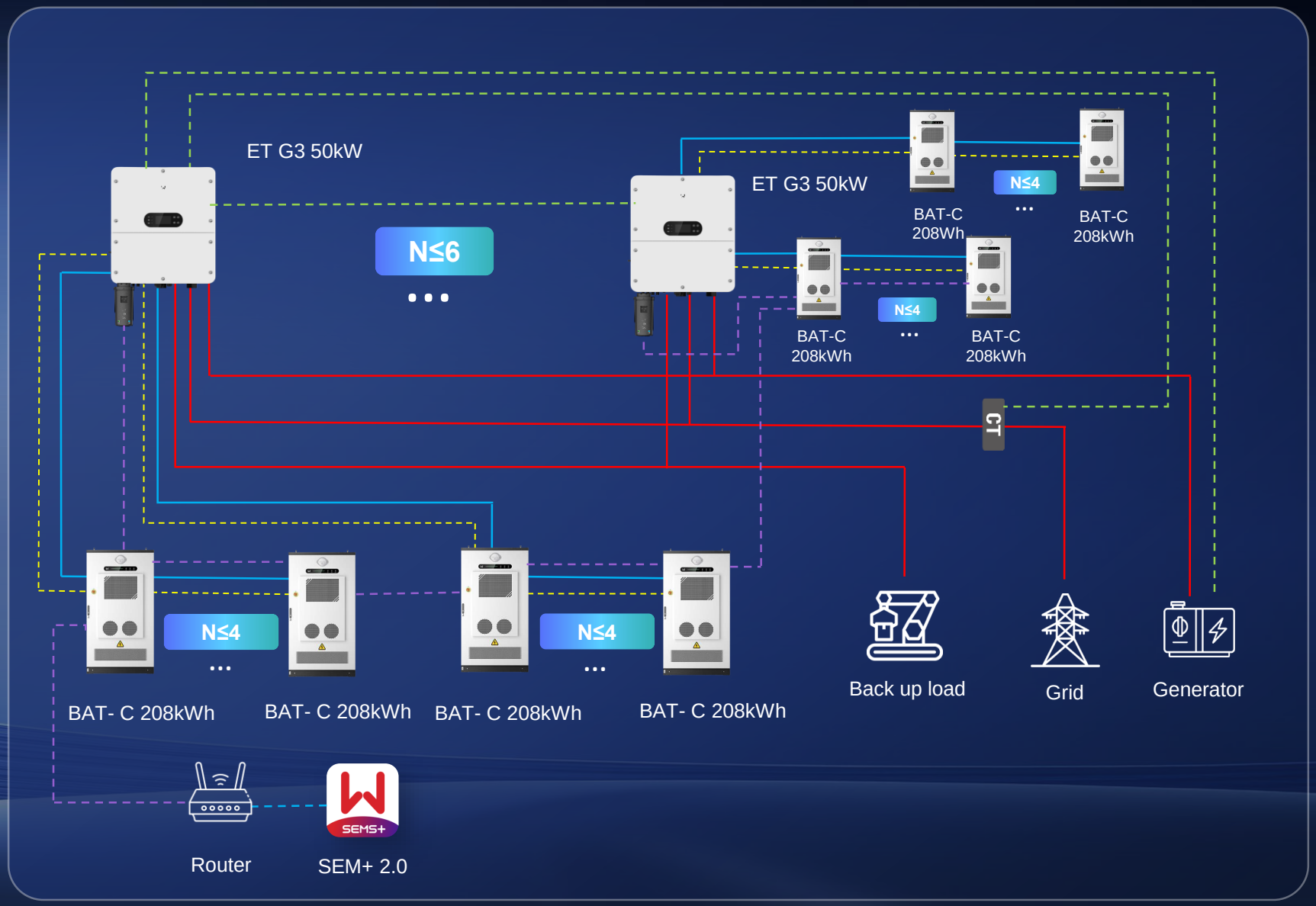

BAT-C
102.8/112.6kWh


BAT-C
208kWh


BAT-S
64.3-257.2kWh

Note: only BAT-C 208kWh without DC-DC module can be compatible with ET G3 50K.

ET G3 50kW series parallel micro-grid solution :
suitable for unstable power grid scenario



Max. System Capacity
0.5MW/16.6MWh

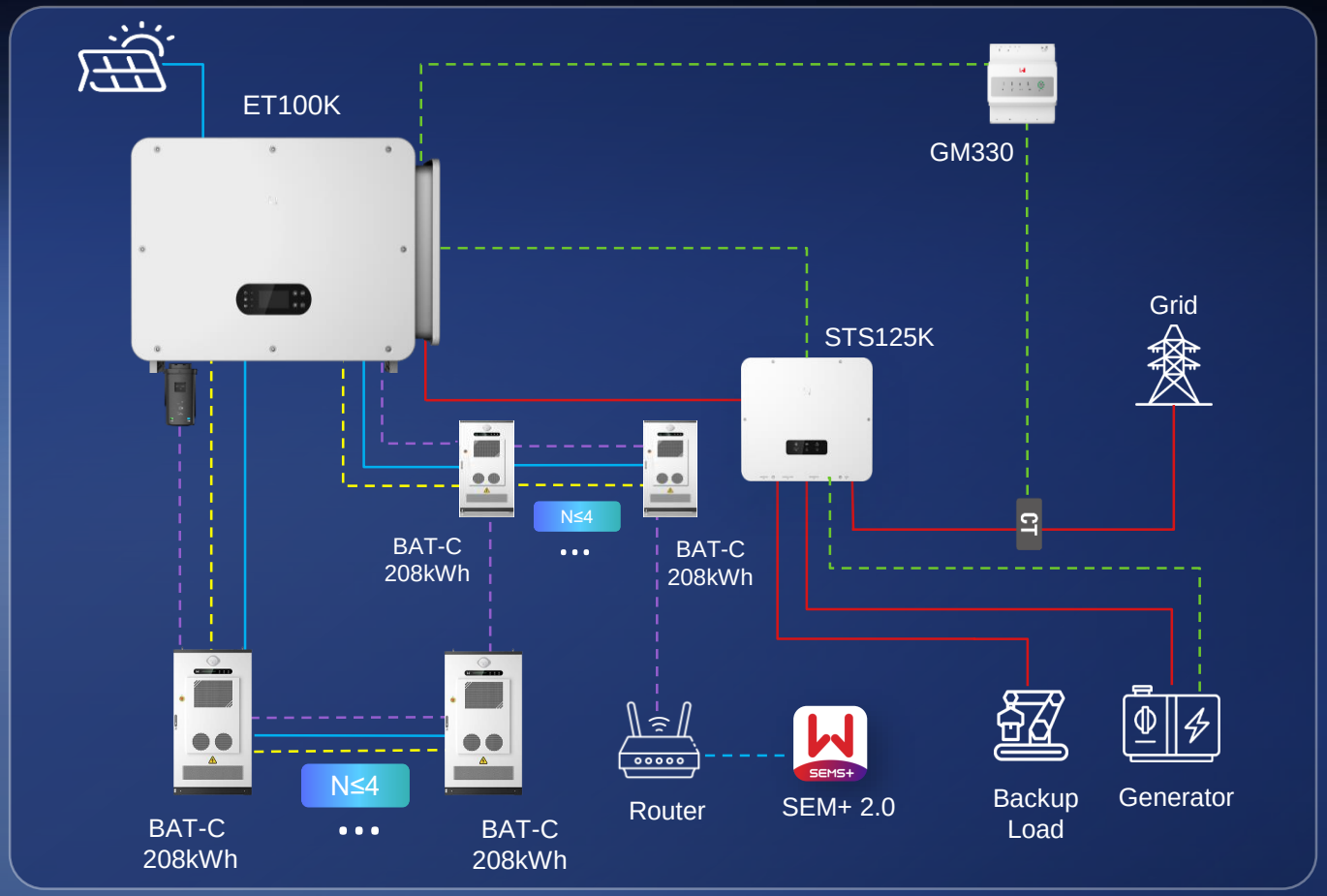
UPS-level switching
≤20ms，ensure uninterrupted operation

Powerful off-grid performance
1.2Pn@60s；1.5Pn@10s

Cell level monitoring
Precise fault location
Extend the service life of the battery

DC Cable
AC Cable
CAN
RS485
WiFi
LAN

ET 100kW series single unit micro-grid solution :
suitable for unstable power grid scenario



Max. System Capacity
100kW/1.6MWh

UPS-level switching
< 10ms, ensure uninterrupted operation

Powerfull off-grid performance
120% overload for 60s;
150% overload for 10s

Cell level monitoring
Precise fault location&Extend the service life of the battery

Support max. (110+110)A Battery current

Easy configuration with LCD touch screen

Auto fan reversal for dust removal

Smart DC breaker

Low noise < 60dB

Compatible with 182/210mm modules

Batteries compatibility of ET100K series:

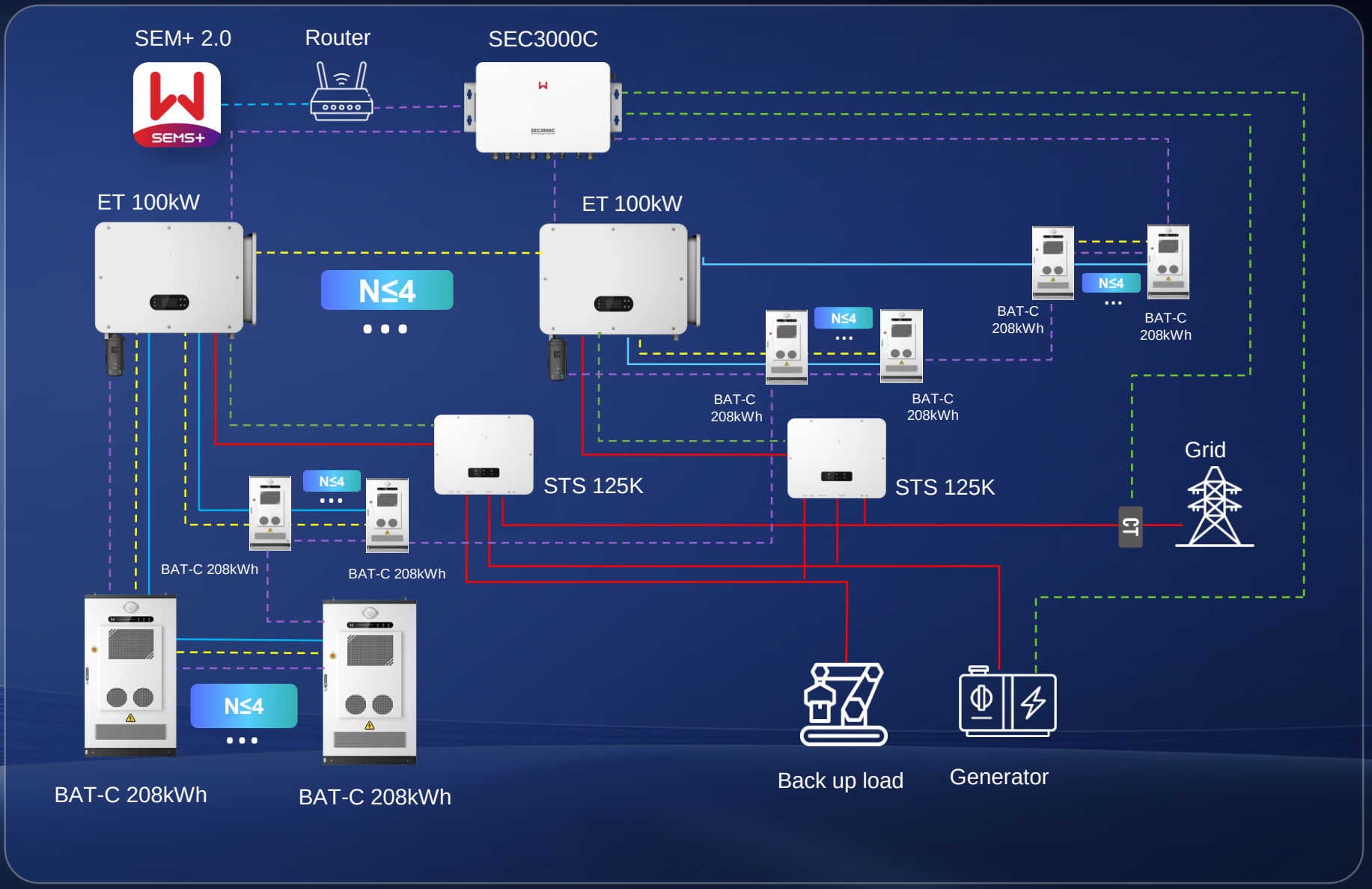

BAT-S
51.2/56.3kWh


BAT-C
102.8/112.6kWh


BAT-C
208kWh

WiFi
CAN
RS485
AC Cable
DC Cable
LAN

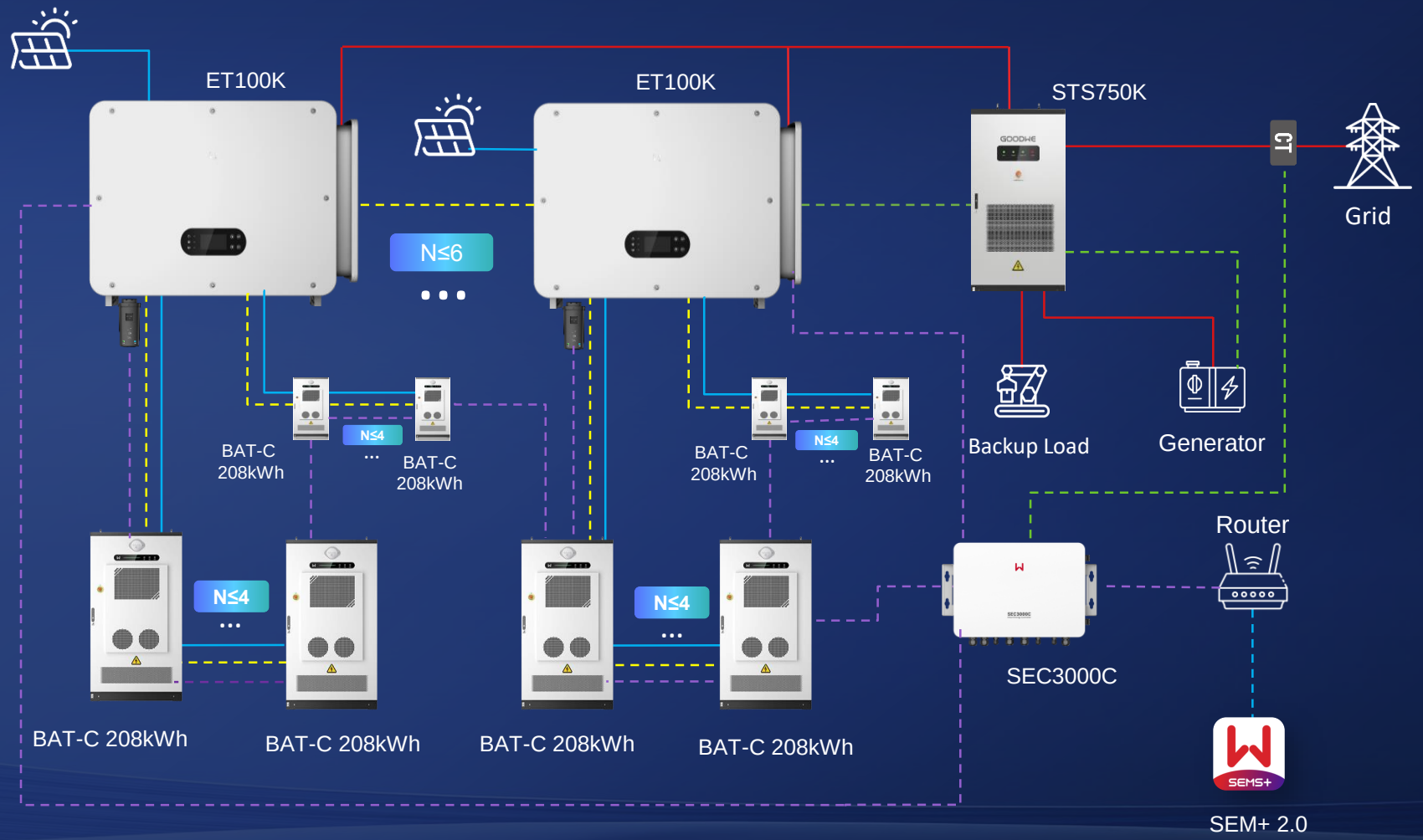
ET 100kW series parallel micro-grid solution:
suitable for unstable power grid scenarios



- **Max. System Capacity**
  400kW/3.3MWh
- **UPS-level switching**
  < 20ms for parallel system
- **High battery capacity**
  Suitable for long time off-grid running
- **Cell-level data monitoring**
  Precise fault location&Extend the service life of the battery

DC Cable
AC Cable
CAN
RS485
LAN
WiFi

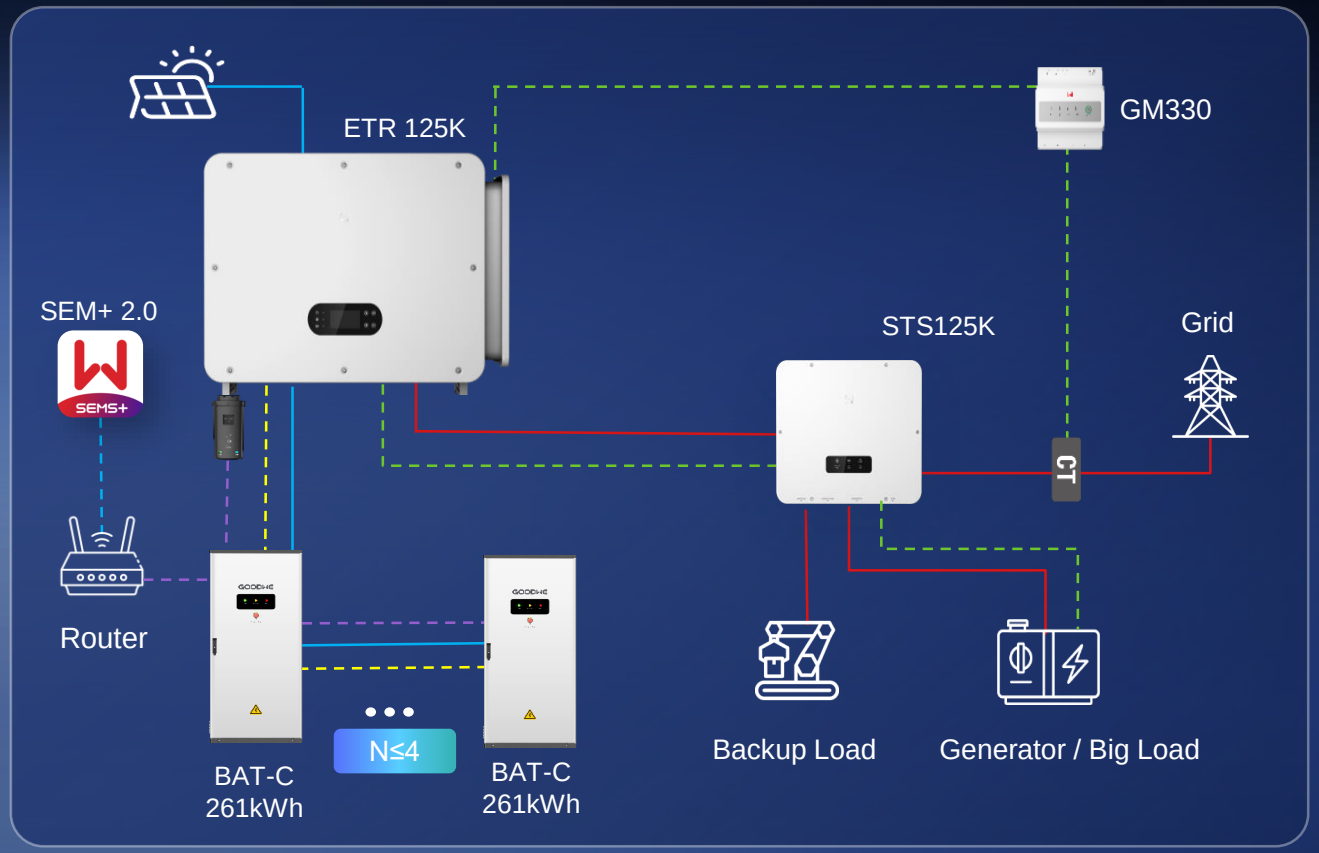
ET 100kW series parallel micro-grid solution:
suitable for unstable grid scenarios



- **Max. System Capacity**
  0.6MW/10MWh
- **UPS-level switching**
  < 20ms for parallel system
- **High battery capacity**
  Suitable for long time off-grid running
- **Cell-level data monitoring**
  Precise fault location&Extend the service life of the battery

DC Cable
AC Cable
CAN
RS485
LAN
WifFi

ETR 125kW series single unit micro-grid solution:
suitable for unstable or no power grid scenario



- **Max. System Capacity**
  125kW/1MWh
- **Low initial investment**
  Battery can be installed later
- **UPS-level switching**
  10ms for single unit system
- **Powerful off-grid performance**
  120% overload for 60s;
  150% overload for 10s

- Type I+II SPD optional on DC side
- Terminal tempe-rature detector
- 200% PV input utilization
- Auto fan reversal
- Smart DC breaker
- Compatible with 182/210mm modules

Batteries compatibility of ETR125K series:

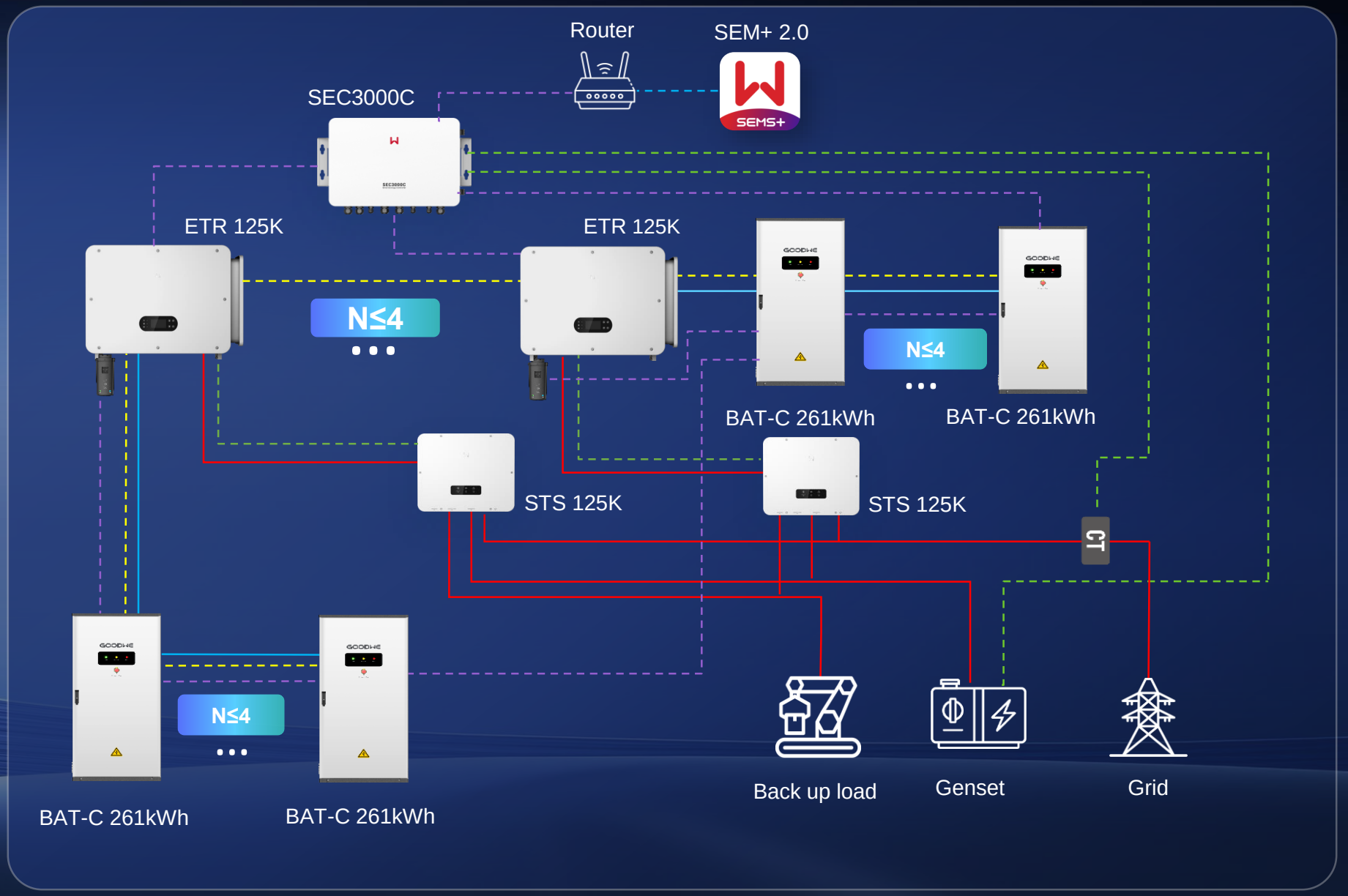


BAT-C
261kWh

BAT-S
64-257 kWh

DC Cable
AC Cable
CAN
RS485
LAN
Wifi/LAN or 4G

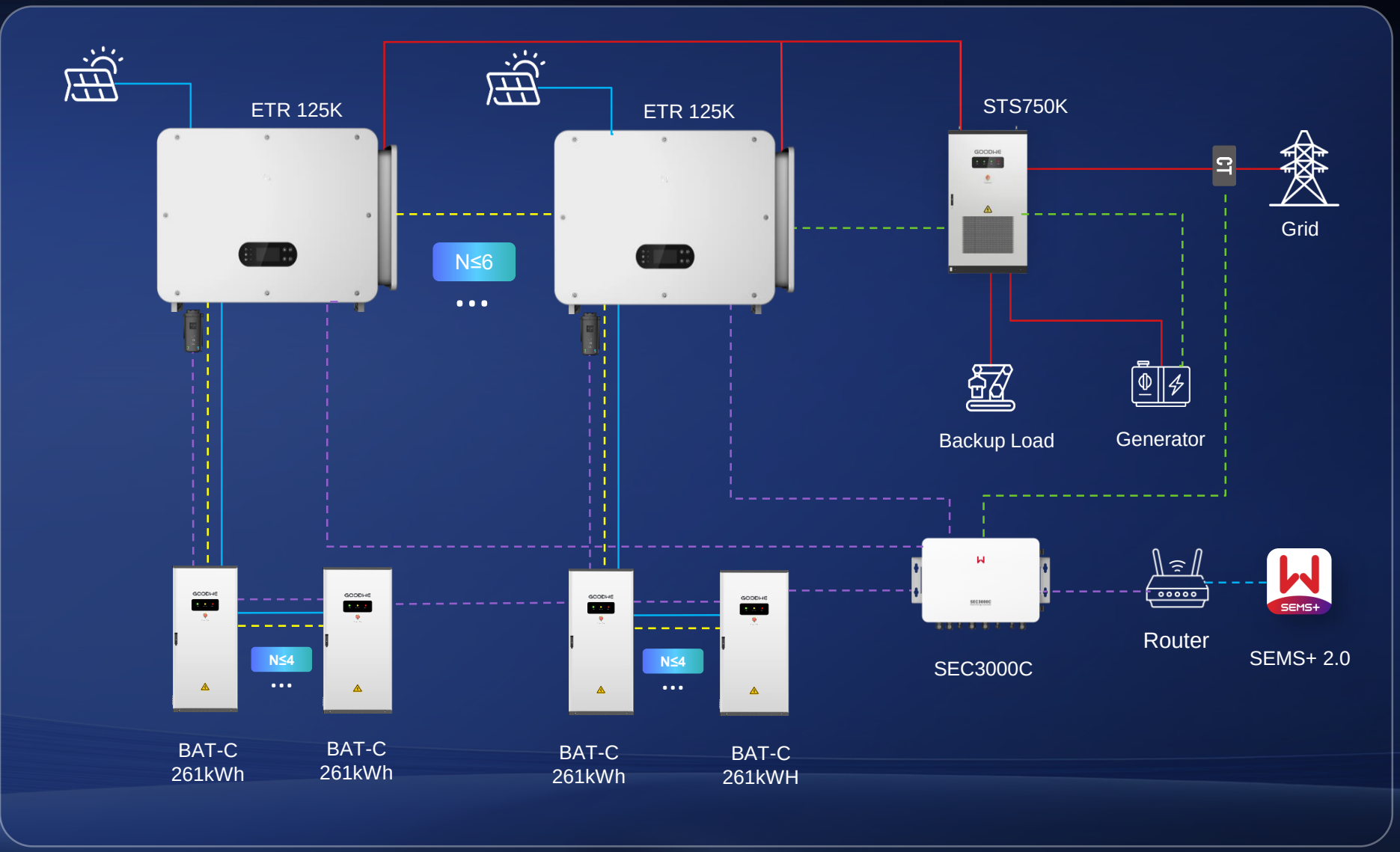
ETR 125kW series parallel micro-grid solution:
suitable for unstable power grid scenarios



- **Max. System Capacity**
  400kW/3.3MWh
- **UPS-level switching**
  < 20ms for parallel system
- **High battery capacity**
  Suitable for long time off-grid running
- **Cell-level data monitoring**
  Integrated built-in cloud-board

DC Cable
AC Cable
CAN
RS485
LAN
WiFi

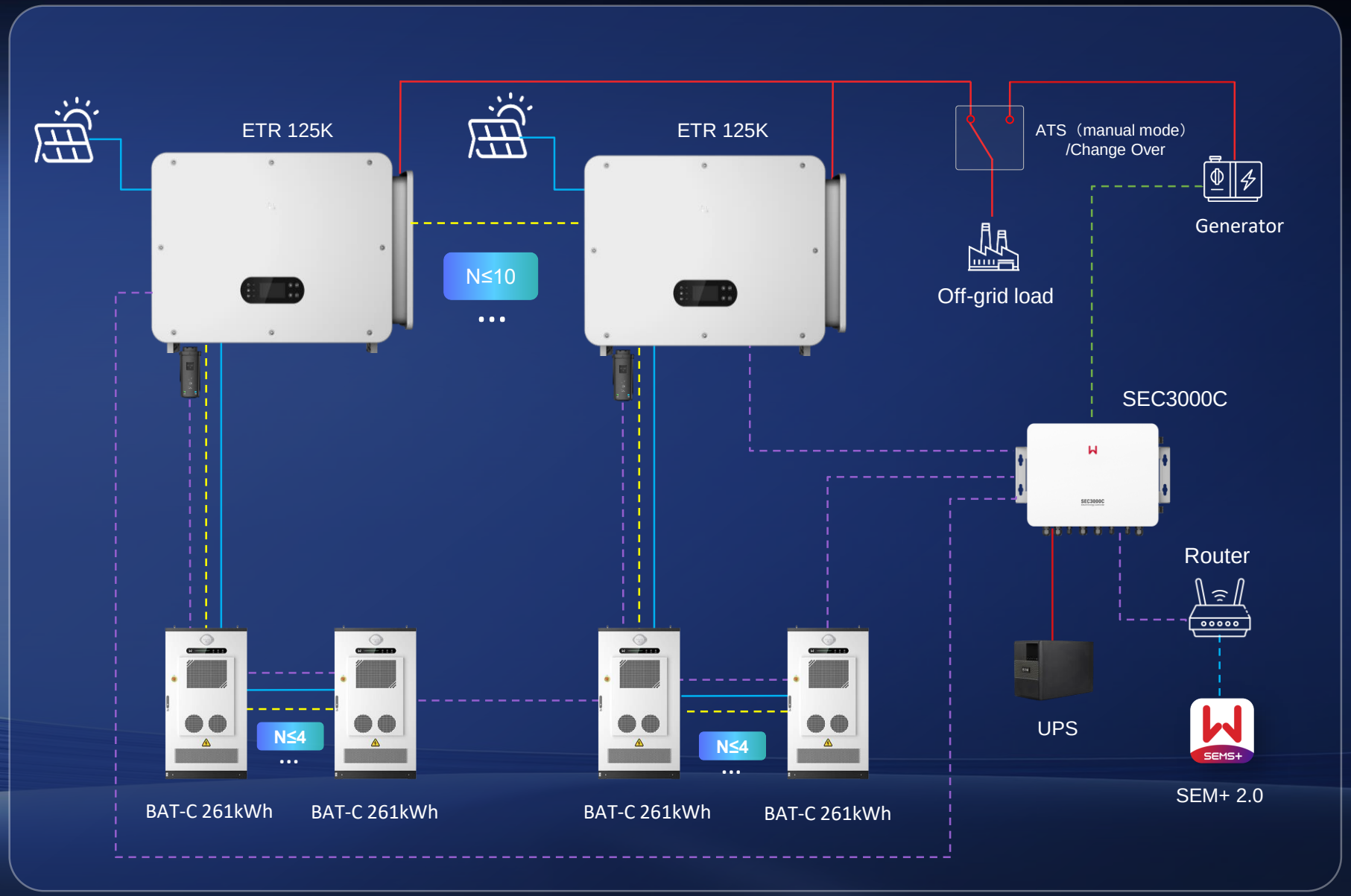
ETR 125kW series parallel micro-grid solution:
suitable for unstable power grid scenario



- **Max. System Capacity**
  750kW/6.26MWh
- **UPS-level switching**
  < 20ms for parallel system
- **Powerful off-grid performance**
  120% overload for 60s
  150% overload for 10s
- **High compatibility**
  Support mixed parallel with new and old batteries

DC Cable
AC Cable
CAN
RS485
LAN
WiFi

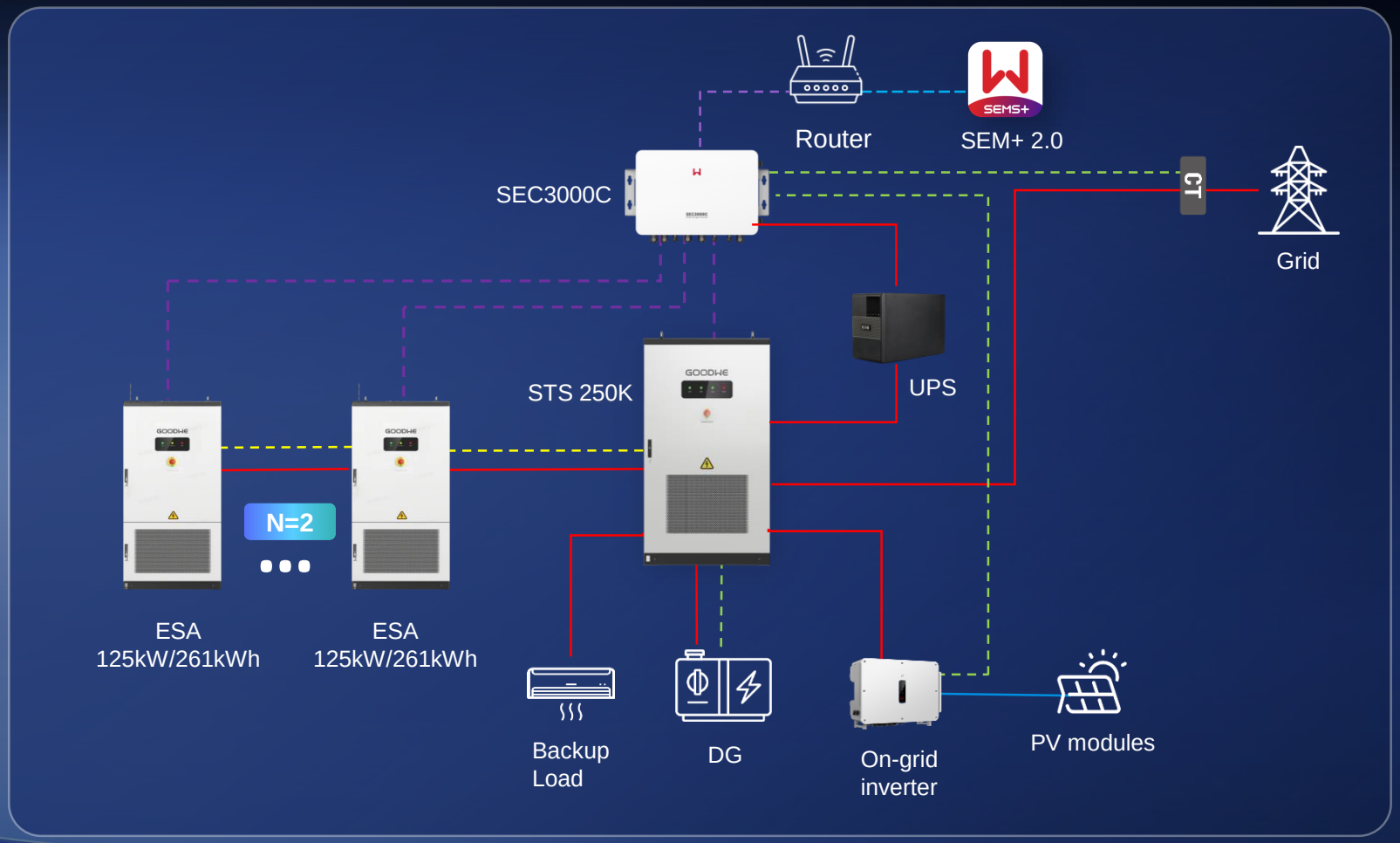
ETR 125kW series pure off-grid parallel solution :
suitable for stable power grid scenario



- **Max. System Capacity**
  1.25MW/10.44MWh
- **Ring network com topology**
  High communication redundancy
- **Long time backup time**
  Support max. 8h backup time
- **Cell-level data monitoring**
  Integrated built-in cloud-board

DC Cable
AC Cable
CAN
RS485
LAN
WiFi

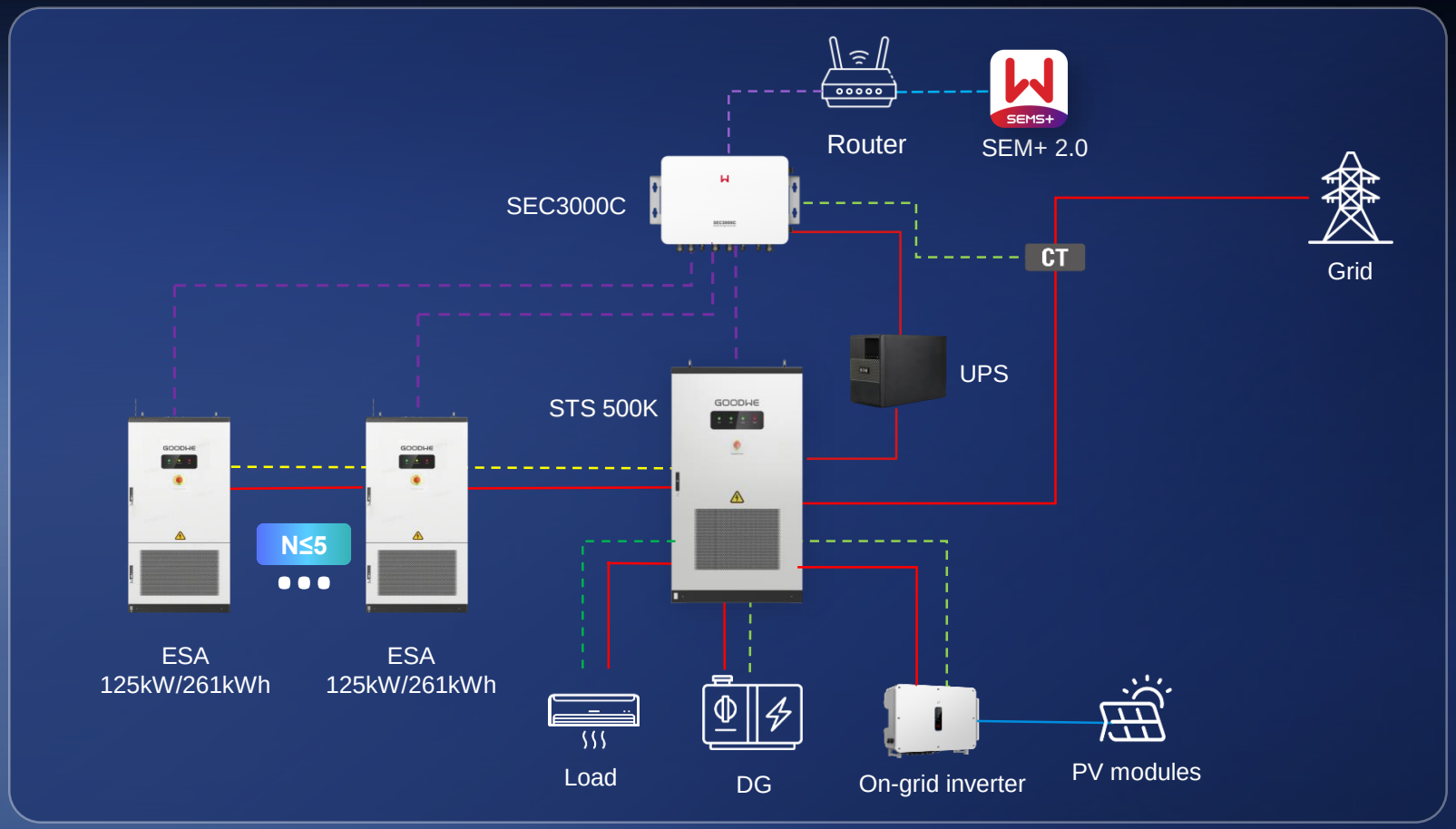
ESA125/261kWh micro-grid solution:
suitable for unstable power grid scenario



- **Max. System Capacity**
  0.5MW/1.3MWh
- **UPS-level switching time**
  < 20ms
- **Support Black Start-up**
  With technology of VSG
- **3 level load control**
  2 dry nodes connect to non-critical load

DC Cable
AC Cable
CAN
RS485
LAN
WiFi

ESA125/261kWh micro-grid solution:
suitable for unstable power grid scenario



- **Max. System Capacity**
  0.5MW/1.3MWh
- **UPS-level switching time**
  < 20ms
- **Support Black Start-up**
  With technology of VSG
- **3 level load control**
  2 dry nodes connect to non-critical load

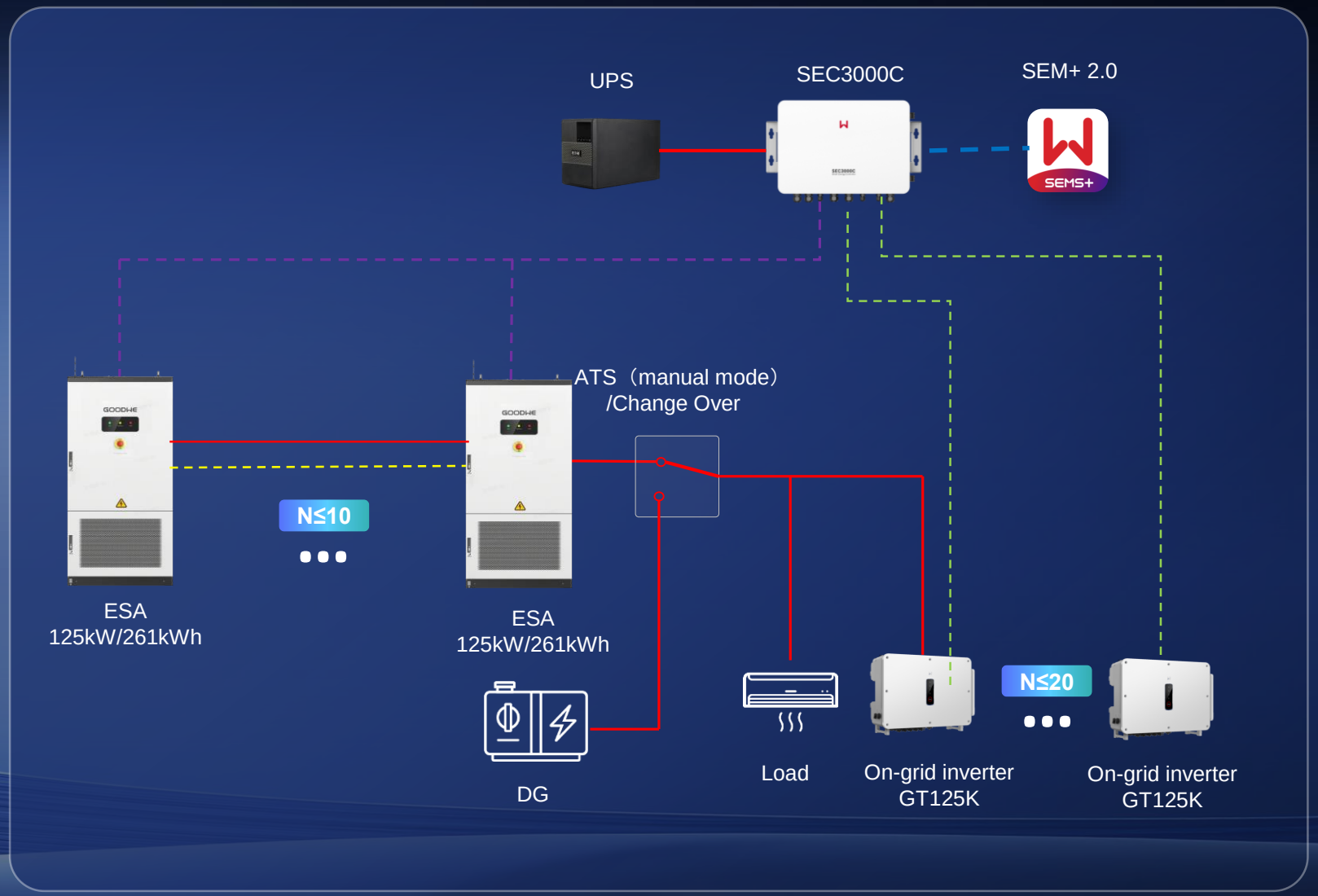
Black startup with VSG

6 level active firefighting

Pack & cabinet level aerosol firefighting

Liquid cooling unit

ESA125/261kWh pure off-grid parallel AC coupled solution:
suitable for no power grid scenario



Max. System Capacity
1.25MW/2.61MWh

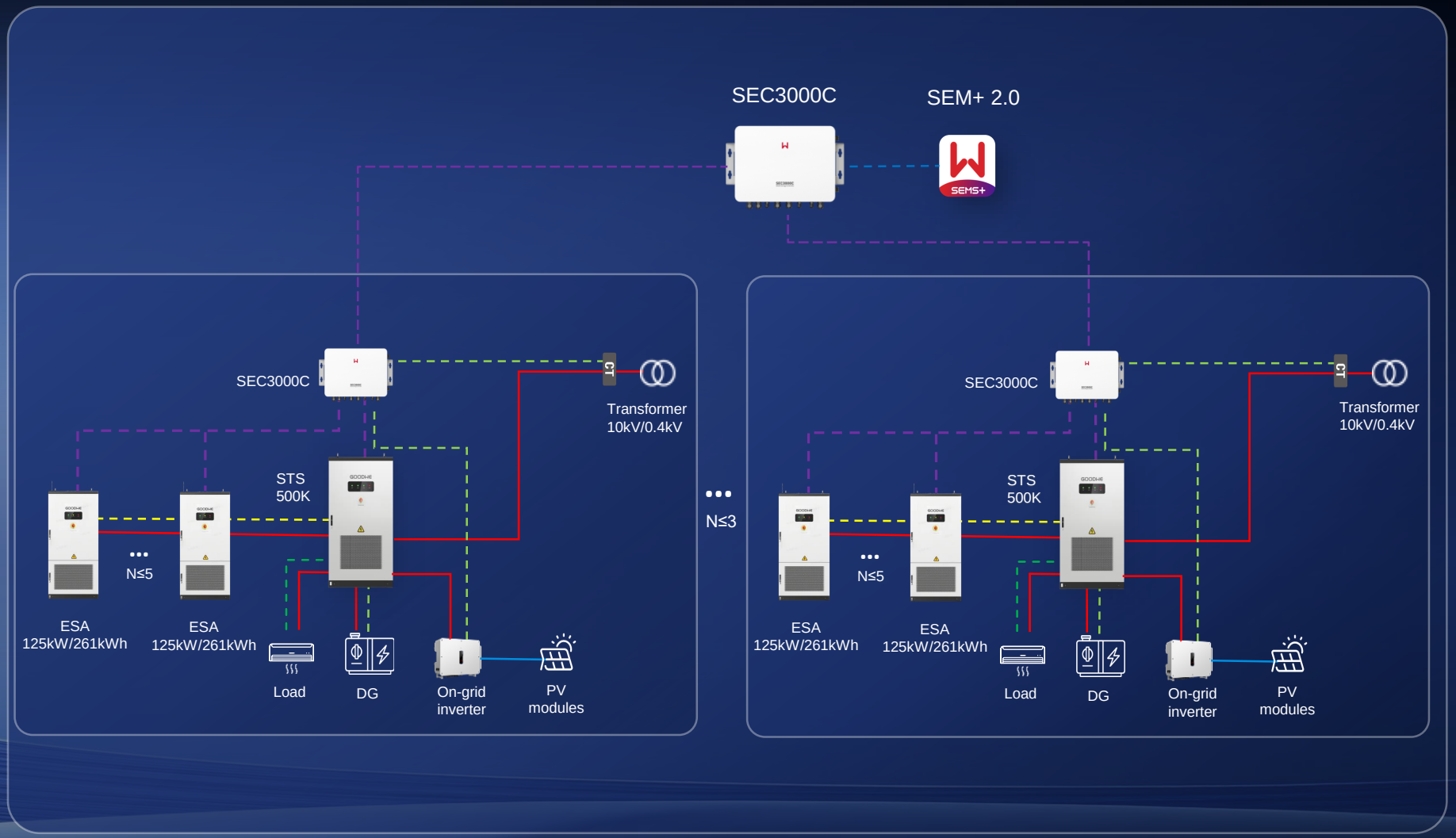
Flexibility
Flexibly choose inverter/energy storage capacity

Convenience
Support 3rd Smart communication box

Wide adaptability
Adapt to small to large C&I scenario

DC Cable
AC Cable
CAN
RS485
LAN
Wifi/LAN or 4G

ESA125/261kWh micro-grid parallel solution:
suitable for unstable or no power grid scenario



Max. System Capacity
1.5MW/3.9MWh

UPS-level switching time
20ms,suitable for unstable C&I scenario

Support Black Start-up
With technology of VSG

3 level load control
2 dry nodes connect to non-critical load

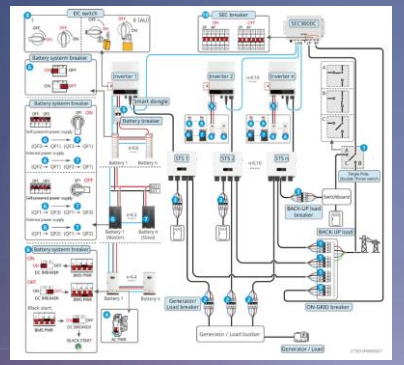
DC Cable
AC Cable
CAN
RS485
LAN
Wifi/LAN or 4G

Key Steps for a Successful C&I ESS Project

- ✓ **Assess the inductive load requirements on site.***(Please refer to "Checklist for C&I Storage Project.pdf" and "Solution for C&I Storage Project.pdf" from GoodWe)*
- ✓ **Follow the installation manual strictly. Ensure all wiring is correct.**
- ✓ **Verify the actual inductive loads on site. Confirm they match the project requirements before commissioning.**

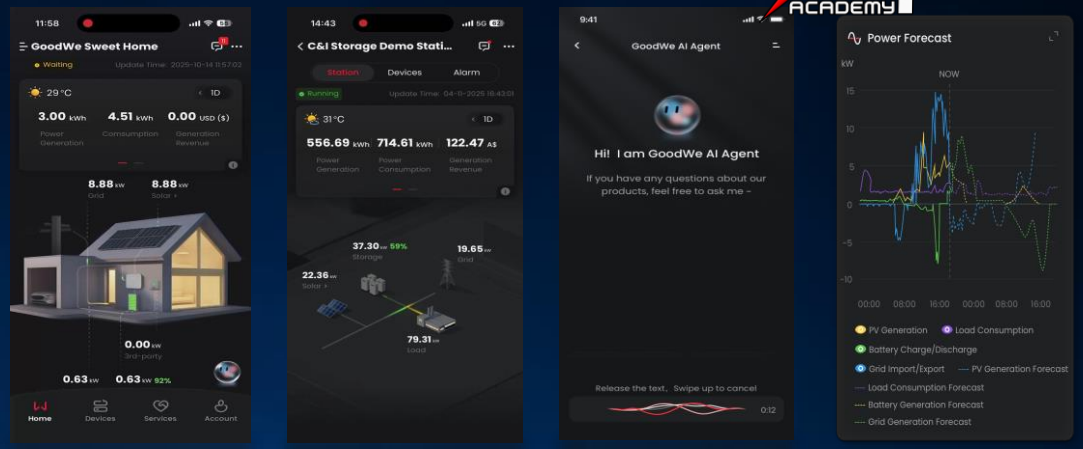






SEMS+ 2.0 Brief Introduction





UI Visual Redesign

- Dark mode + Light mode
- Company brand colors (Red, Black, White, Gray)
- Liquid Glass design style

IoT Model

- Same data source as SEMS+ Web
- Minute-level,Second-level monitoring
- Multi-scenario coverage, easy operation

AI Function Upgrade

- AI Assistant
- AI Health Diagnosis
- AI Prediction, EMS Dispatch

The key optimization point of App 2.0

Local & Remote App Integration

- Quick setting
- Network setting
- Local Monitoring
- Control Item Classification Optimization

Unified Design

- Domestic & International App integration
- Residential/C&I business systems integration
- Local & Remote integration
- Neutral Services

Remote Control Upgrade

- Full access to IoT platform for all product
- Easy for remote connection
- Optimize remote control interaction
- Faster control response

Owner&Installer Perspectives

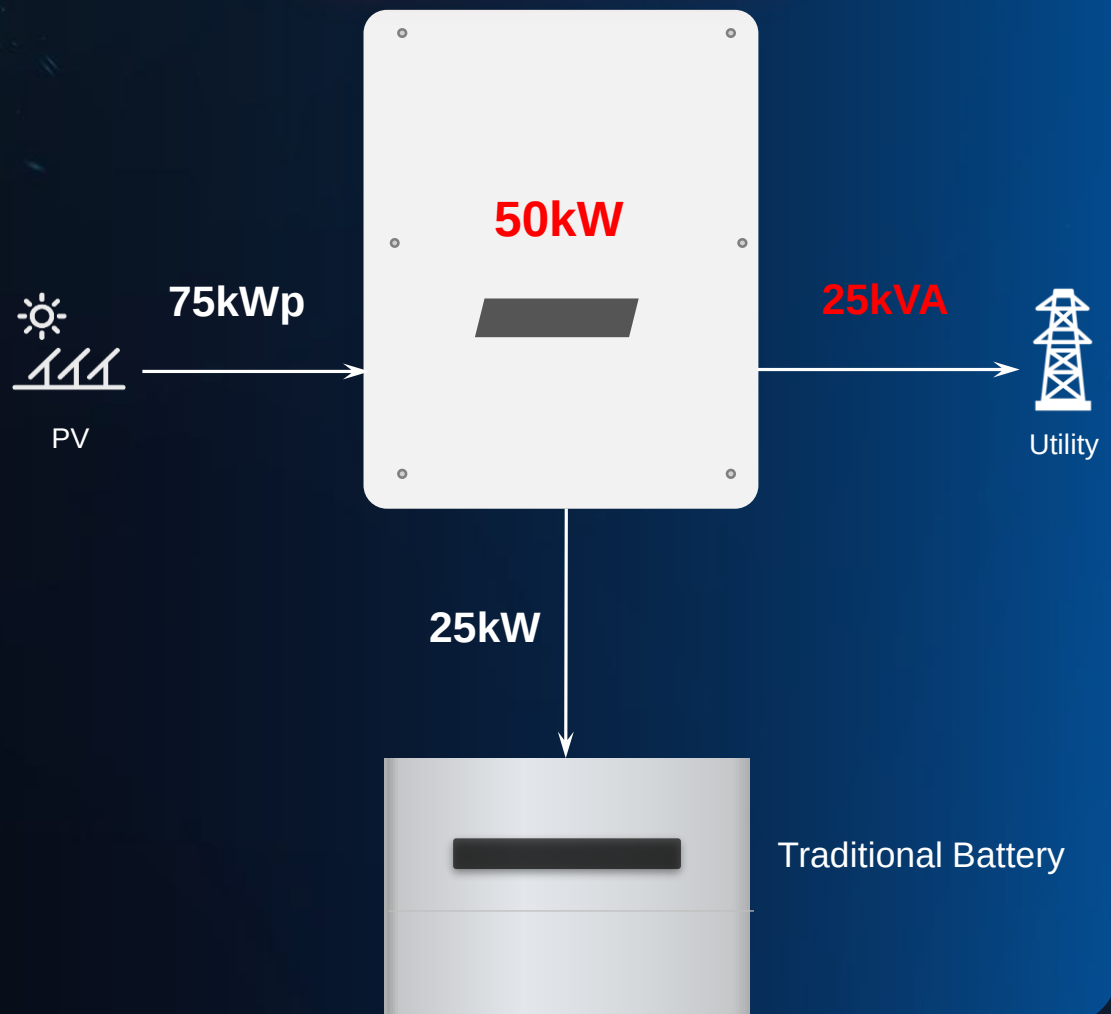
- Differentiated design for Owner and Installer users
- Installer interface: clarity, professionalism
- Owner interface: asset monitoring, intelligence

Strong output ability

Other brand inverter: AC OUTPUT POWER +BAT charge power = inverter nominal power

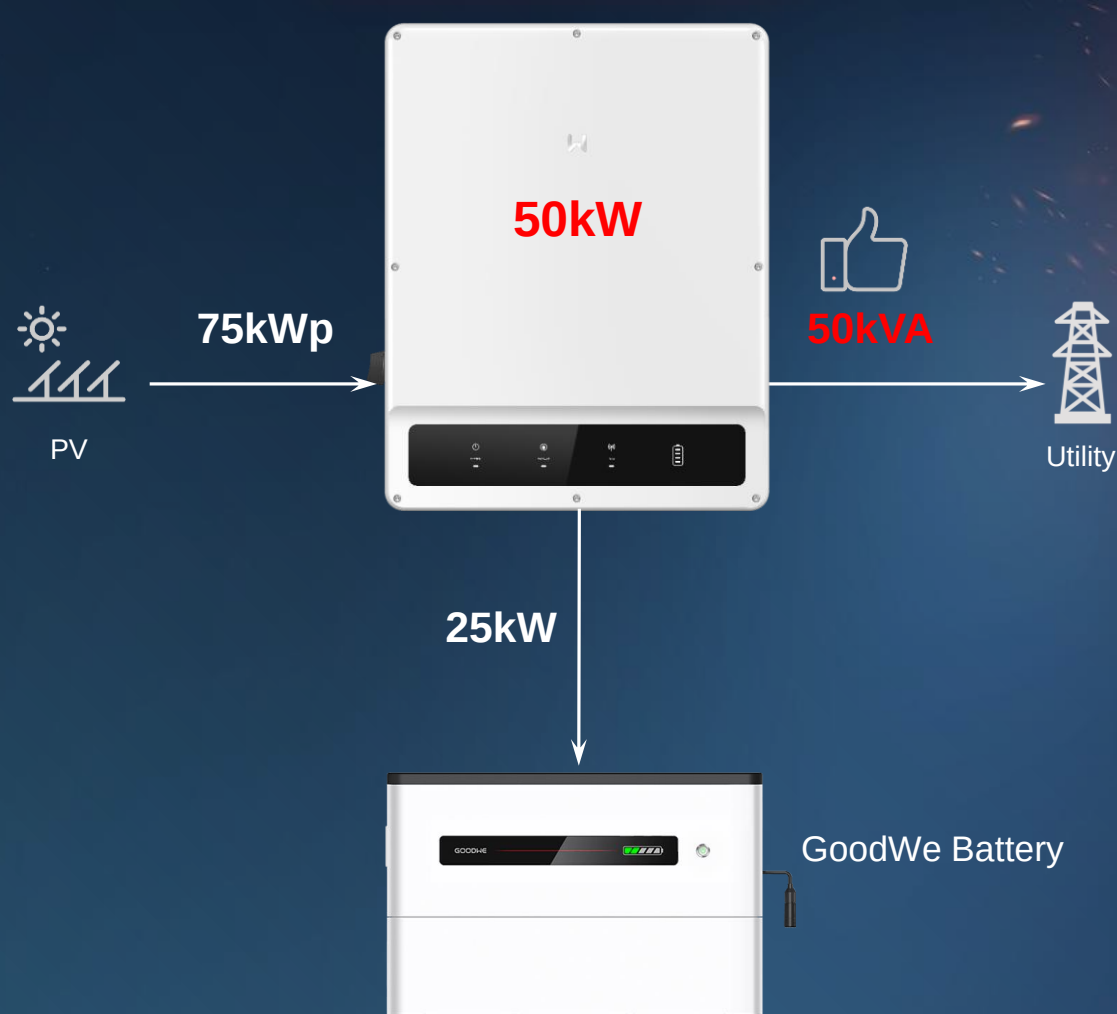
GoodWe: AC OUTPUT POWER +BAT charge power = 1.5* inverter nominal power

Other brand Inverter



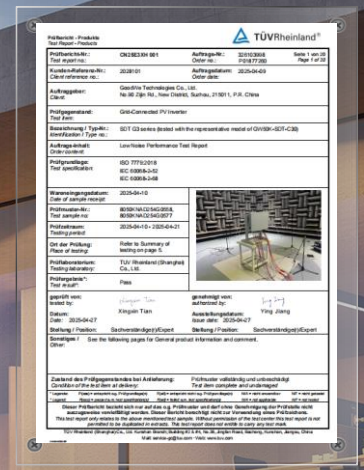
Vs

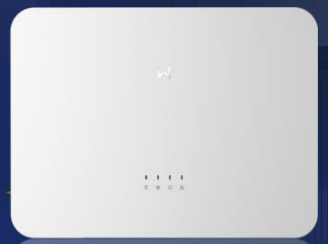
GoodWe Inverter



Quietness with Creativity

- SiC semiconductor component
- Innovative structural design
- Reasonable heat dissipation design





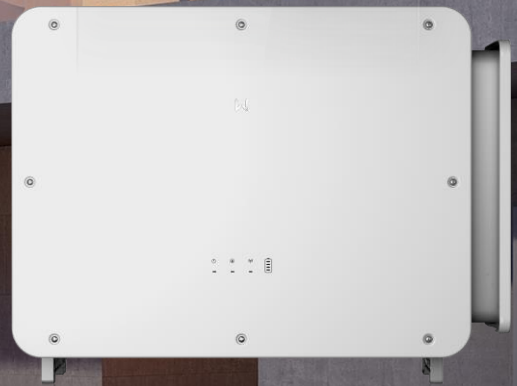
SDT G3 50kW

48 dB



ET 40/50kW

55 dB



ET 100kW

60 dB

Utility Inverter



HT 1500V
250kW

UT 1500V
350kW

Box Transformer

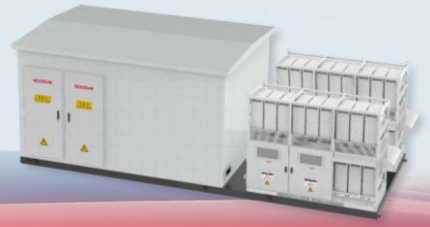




MV Station 1500V
3.5/5/7/9.1MVA

MV Station 1500V
4.4/8.8MVA

Step-on Converter Integrated Unit



ICS 1500V
2580kVA/5MWh
5160kVA/10MWh

DC&AC Block



DC & AC Block
1MW/4MWh
2MW/4MWh

IoT



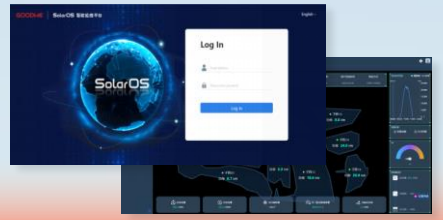
SCU3000A（-S）

HPLC+RS485+LAN+Switch



EZLogger3000U

HPLC+RS485+LAN



SolarOS

Data Monitoring Platform

MV Station - Compact Transformer Station

LV room | Transformer | MV room



Up to 7MW for 250kW and 9MW for 350kW inverter

Environment Friendly

SF6-Free for 24kV and below

C5 for optional

All in One Design

Standard 20 ft container

Plug & Play

IP54 for container, IP68 for transformer

Full Set IEC certification

IEC 60076, IEC 62271-200, IEC 62271-202, IEC 61439-1/2, EN50708-1, CE certification

Internal arc test as per IEC 62271-202

GoodWe Utility 2MW/4MWh AC Block Solution

GOODWE AC-DC Integrated solution



2MW/4MWh	1MW/4MWh
2h system 0.5C	4h system 0.25C

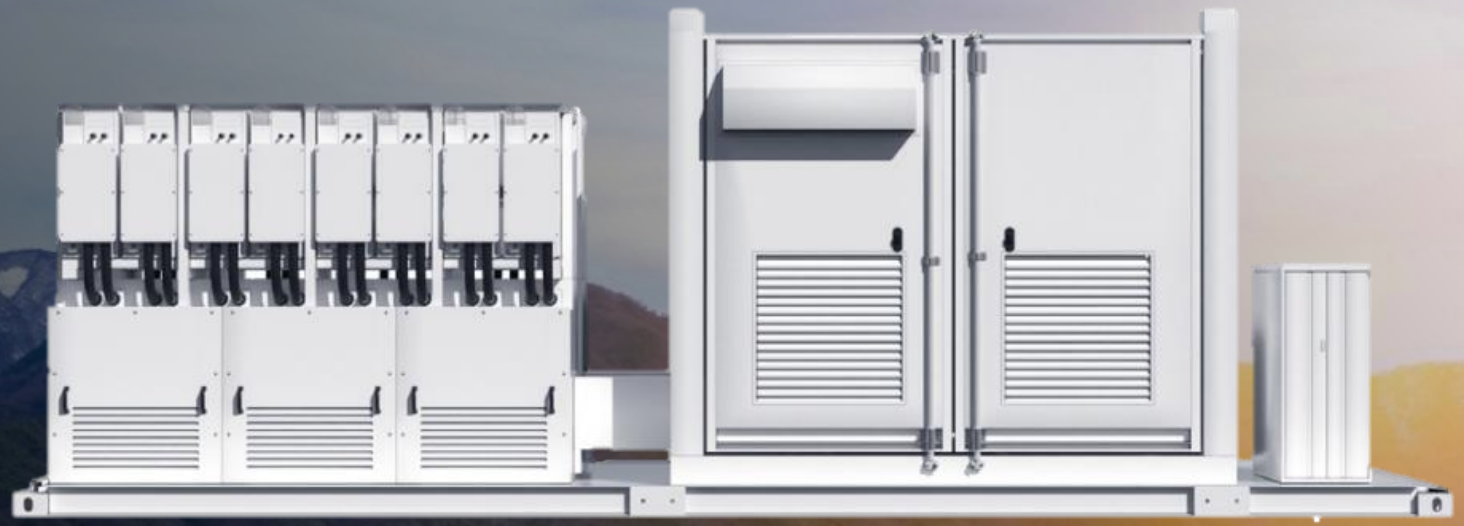
*Picture is for reference only

ICS overall solution

PCS AC Integration



Step-up converter integrated unit

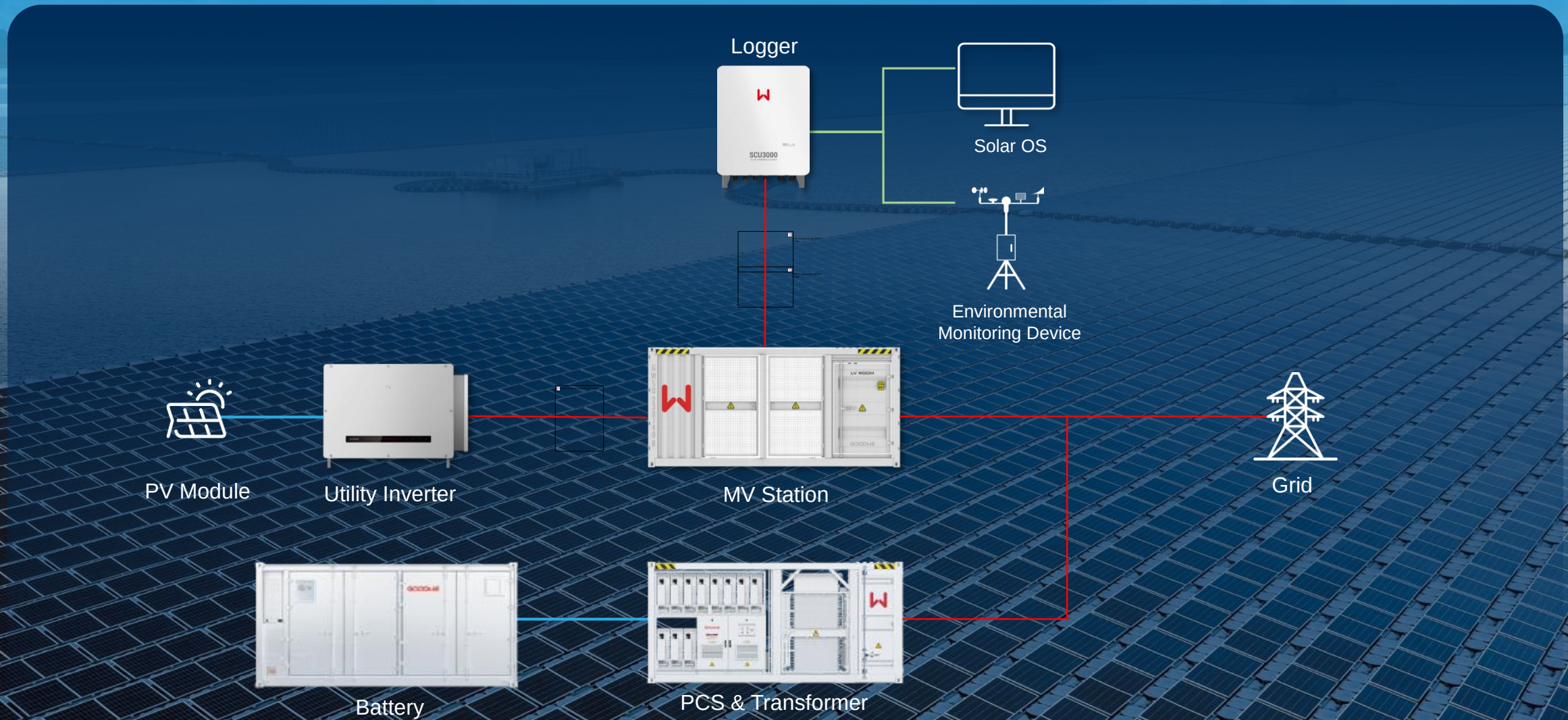


Max. 24 units to parallel with a capacity of 5MW, arranged the same platform with the transformer.

Overall integration solution



Full-Portfolio, One-Stop Intelligent Solution



GOODWE
SOLAR ACADEMY

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Pre-sales Beyond Expectations

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@GoodWeSolarAcademy