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# CHECK LIST FOR
# C&I STORAGE PROJECT

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**Minimum requests to be respected for installation**

- Please do carefully review user manual of inverter and battery before starting any planning and installation, respectively.
- Please fill in the C&I storage system Checklist and send to the corresponding solution manager of the relevant country or region. GW solution manager email address:
- All the C&I storage project must finish this Checklist. Otherwise, GoodWe has the right not to provide the corresponding after-sales service.
- Field marked with a " * " are required used for preliminary design of technical solutions, system compatibility verification and project evaluation, all others are optional

# C&I Storage System Checklist

| No. | Required item | | Requirement | Remark |
|---|---|---|---|---|
| 1 | **Basic Client & Project Information** | *Company Name | | |
| | | *Contact Person | | |
| | | *Phone/Email | | |
| | | *Project Address(Country/region) | | |
| | | Project Stage | ☐ Feasibility<br>☐ Design<br>☐ Procurement<br>☐ Tendering | |
| | | *Project Type | ☐ New installation<br>☐ Retrofit<br>Installed capacity(kWp)_____<br>Brand_____ | |
| | | *System Type | ☐ Grid-tied<br>☐ Off-grid<br>☐ Micro-grid<br>☐ Uncertain/To be evaluated | |
| 2 | **Use Cases** | * Select all applicable scenarios for your energy storage system: | ☐ Peak shaving / Load shifting | Reduce grid peaks and shift load to off-peak hours. |
| | | | ☐ PV self-consumption | Store excess solar energy for later on-site use. |
| | | | ☐ Backup power | Provide emergency power during outages. |
| | | | ☐ Frequency regulation | Support grid stability and earn revenue from FCR/aFRR. |
| | | | ☐ Demand response / VPP | Participate in flexibility programs with aggregators. |
| | | | ☐ Off-grid / Island mode | Operate independently from the grid if needed. |
| | | | ☐ Renewable smoothing | Balance variable output from PV or wind. |
| | | | ☐ EV charging support | Manage EV charging load and avoid grid upgrades. |
| | | | ☐ Bill optimization (TOU tariff) | Charge/discharge to lower electricity bills under time-based pricing. |
| | | | ☐ Demand charge reduction | Avoid high grid charges from peak demand. |
| 3 | **Power Consumption Profile** | Business Type | ☐ Manufacturing | |

| | | | | |
|---|---|---|---|---|
| | | | ☐ Cold Storage<br>☐ Logistics<br>☐ Commercial Building<br>☐ Farm<br>☐ Others:_____ | |
| | | Contracted Power (kVA) | _____ | Peak shaving is needed |
| | | *Electricity Tariff Type | ☐ Fixed Tariff<br>☐ TOU (Time-of-Use)<br>☐ Spot Market / Dynamic Pricing | |
| | | *Avg. Daily/Monthly/Yearly Consumption (kWh) | _____ | |
| | | System have inductive load or not? | ☐ Yes<br>Peak load_____kW/kVA<br>Inductive load totally_____kW/kVA<br>☐ No | Important to fill in for backup application |
| | | *Backup loads capacity(When grid is fault) | _____kW/kVA | |
| | | Peak Demand (kW) | _____ | |
| | | Peak Load Hours | _____ | |
| 4 | **Site Conditions** | Operation altitude(m) | _____ | |
| | | Installation Type | ☐ Ground-mounted<br>☐ Containerized | |
| | | *Environment | ☐ Indoor<br>☐ Outdoor | |
| | | Working Temperature | From____to____℃ | |
| | | Anti-corrosion requirement | ☐ C4<br>☐ C5 | The project installed from seaside ⩽ 2km must be filled with C5 |
| | | Photos / Videos provided? | | |
| 5 | **Grid Connection & Compliance** | *Voltage Level | ☐ LV(380V/400V)<br>☐ MV(10kV/20kV)<br>☐ HV<br>☐ Others:_____ | |
| | | Permitting Status | ☐ Grid application submitted<br>☐ Approved<br>☐ Not started | |
| | | Single Line Diagram available? | ☐ Yes<br>☐ No | |
| 6 | **System Requirement** | *Requested Storage Capacity | Energy (kWh):_____<br>Power(kW):_____ | |

| | | | | |
|---|---|---|---|---|
| | | *Discharge Duration | ☐ 1h<br>☐ 2h<br>☐ 4h<br>☐ Others:_____ | |
| | | * Inverter type | ☐ Bidirectional (AC-coupled)<br>☐ Hybrid (PV+Battery) | |
| | | System capacity of grid connection point | Inverter series:<br>☐ ET20-29.9kW<br>☐ ET40/50kW<br>☐ ESA 125kW/261kWh<br>Inverter quantity: _____<br>Battery series:<br>☐ LynxC 60kWh<br>☐ BAT112kWh<br>☐ LynxC 101~156kWh<br>Battery quantity:_____ | |
| | | *Need EMS from 3rd party? | ☐ Yes<br>☐ No<br>3rd party EMS brand:_____ | |
| | | *Is there diesel generator(DG)?<br>What is the capacity of DG? | ☐ Yes<br>DG Capacity is _____kW/kVA<br>☐ No | |
| | | Generator charge the battery? | ☐ Yes<br>☐ No | |
| | | *System export power limit | ☐ Yes<br>Limit to _____kW<br>☐ No | |
| 7 | **Project Timeline & Budget** | Expected Commissioning Date | _____ | |
| | | Budget Range (optional) | _____ | |
| | | Tender Requirements (if applicable) | _____ | |
| | | Third-Party Certification Required? | _____ | |
| 8 | **Others** | *Do you consent to the creation of promotional materials featuring your project for use across social media and other channels? Your project and company will be highlighted as a GoodWe partner. Please note that any data shared will be processed in accordance with GDPR guidelines. | | ☐ Yes<br>☐ No |

| | |
|---|---|
| **GoodWe**<br>**Review:_____Approval:_____**<br><br>**Date:_____** | **Customer Signature:**<br><br>**Date:_____** |

# Reference C&I Storage Product and Solution

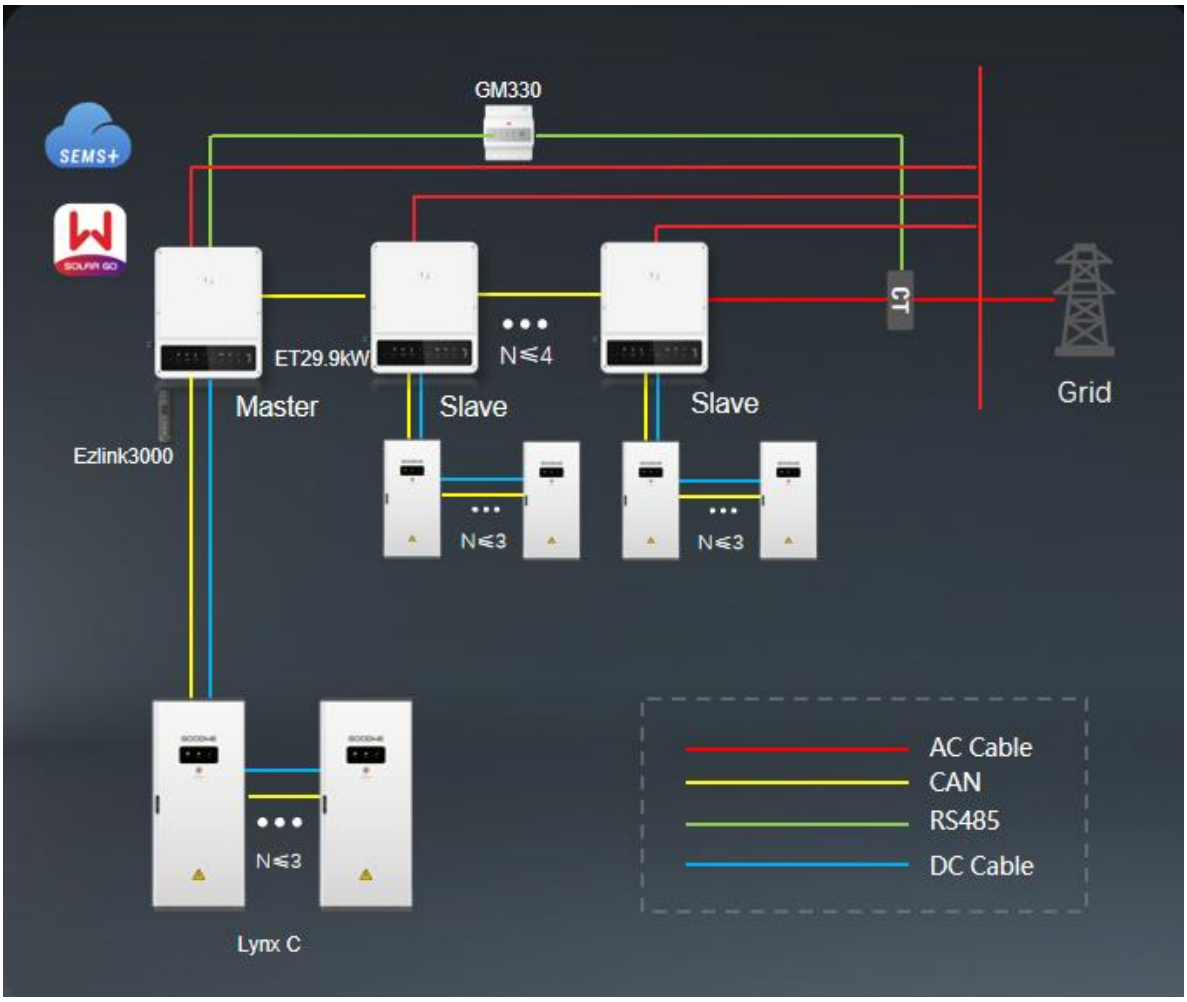
## 1. GW20K-ET, GW25K-ET, GW29.9K-ET

- 20-29.9kW Hybrid inverter (20kW,25kW,29.9kW)
- Support max 4 pcs in parallel with Ezlink3000 only on-grid side
- Back-up parallel not supported
- Supports connection to GoodWe LynxC 60 kWh and BAT112 kWh high-voltage batteries

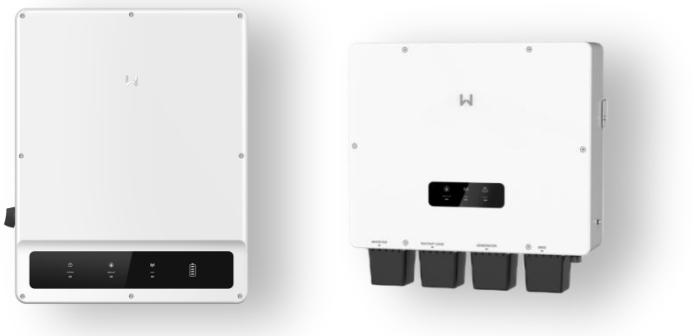
**Battery compatibility list:**

| Batery model | Picture | Installatio type | Battery capacity | Description |
|---|---|---|---|---|
| Lynx C 60kWh |  | Outdoor | ➢ 60kWh~180kWh per single inverter<br>➢ Max 720kWh for parallel connection of up to 4 inverters | ➢ LFP cell<br>➢ Air-cooling system<br>➢ Integrated Fire Fighting System |
| BAT 112kWh |  | Outdoor | ➢ 112kWh per single inverter, single inverter support 1 cluster of BAT112kWh only<br>➢ Max 450kWh for parallel connection up to 4 inverters | ➢ LFP cell<br>➢ Air-cooling system<br>➢ Integrated Fire Fighting System |

**Typical Solution:**



## 2. GW40K-ET, GW50K-ET



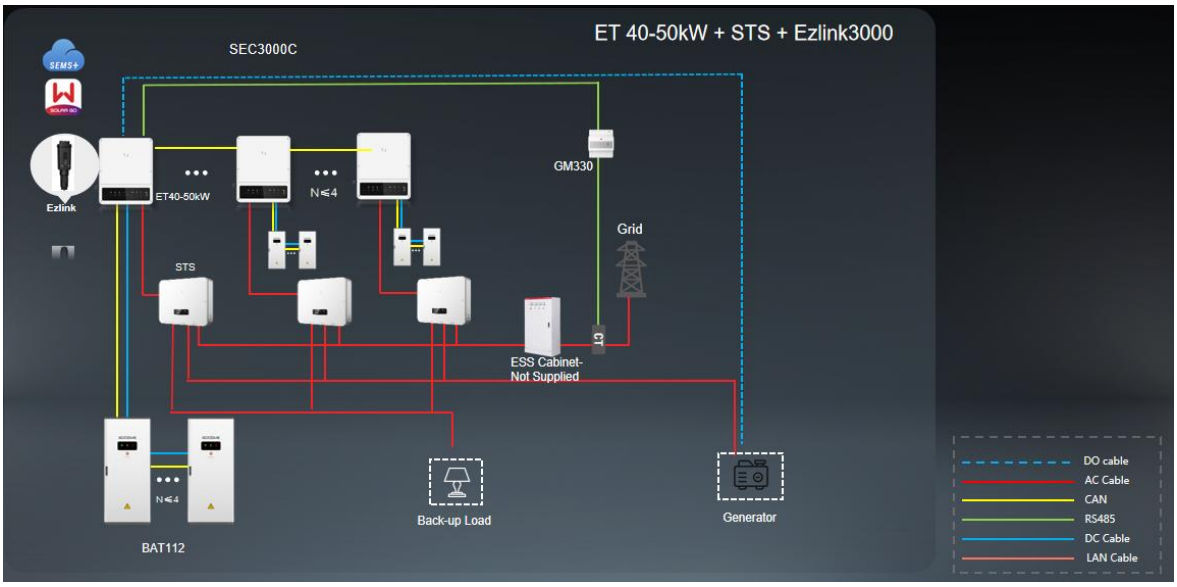
- 40/50kW hybrid inverter (40kW,50kW)
- For on-grid system, only need ET40/50kW
- For off-grid system, or the system connect to generator, need ET40/50kW+STS
- Max support 4 pcs in parallel with Ezlink3000 for both on-grid and back-up port

**Battery compatibility list:**

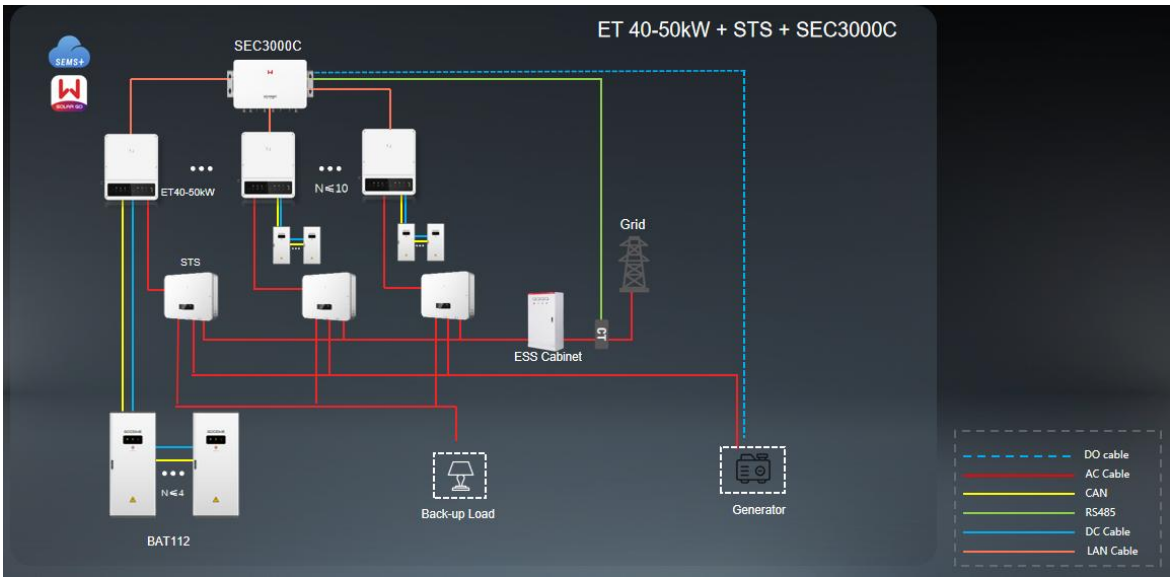
| Batery model | Picture | Installatio type | Battery capacity | Description |
|---|---|---|---|---|
| Lynx C 101-156kWh |  | Indoor | ➢ 101kWh~468kWh per single inverter<br>➢ Max 4.68MWh for parallel connection of up to 10 inverters | ➢ LFP cell<br>➢ Air-cooling system |
| BAT 112kWh |  | Outdoor | ➢ 112~450kWh per single inverter,<br>➢ Max 4.5MWh for parallel connection up to 10 inverters | ➢ LFP cell<br>➢ Air-cooling system<br>➢ Integrated Fire Fighting System |

**Typical Solution:**

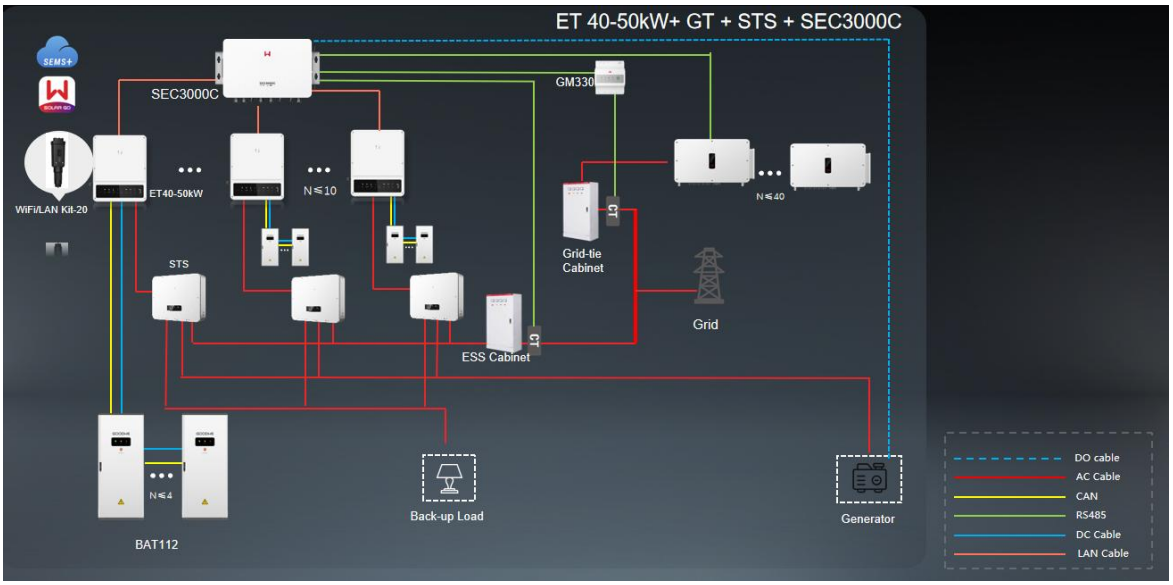
**On/off grid working, BACK-UP in parallel(Ezlink3000, up to 4)**




**On/off grid working, BACK-UP in parallel(SEC3000C, up to 10)**



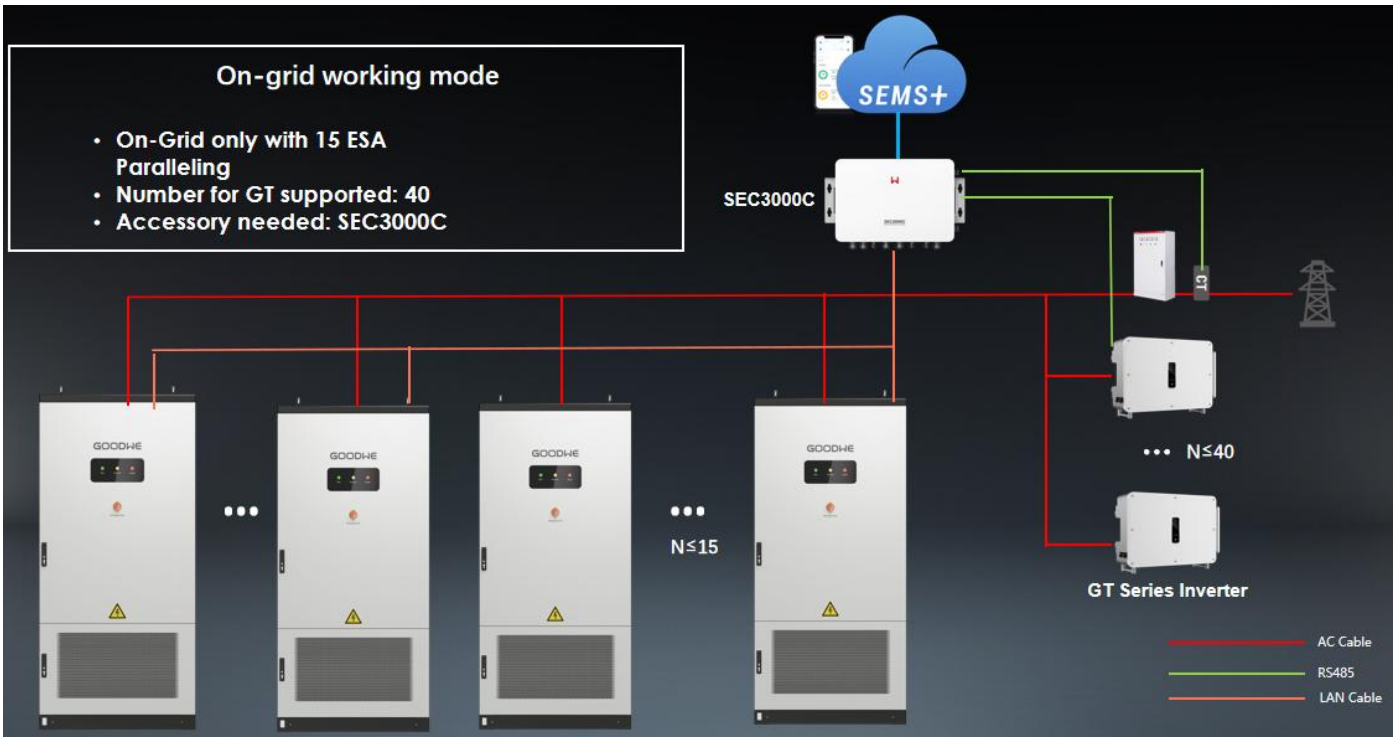

**Mixed inverters in parallel, on/off grid working, BACK-UP in parallel(SEC3000C)**




## 3. ESA125kW/261kWh


- SEC3000C is always required even for 1 ESA.
- 261kWh outdoor battery cabinet with 125kw PCS
- AC Coupled Solution, no PV connection port, can't connect to pv panels directly
- For PV connection, compatible with GoodWe GT series (on-grid inverter 100-125kW), SMT G1 series 50-60kW with SEC3000C.
- Max support 15 pcs in parallel with SEC3000C
- Not support back-up output (GoodWe will launch 500kW STS for back-up output in Q4,2025)

**Typical solution:**


On-grid working mode
• On-Grid only with 15 ESA Paralleling
• Number for GT supported: 40
• Accessory needed: SEC3000C
SEMS+
SEC3000C
CT
N≤40
N≤15
GT Series Inverter
AC Cable
RS485
LAN Cable