



Commercial & Industrial Energy Storage System Solution Introduction



Overseas Marketing Department

SHENZHEN GROWATT NEW ENERGY CO., LTD

GROWATT

2025 July

Growatt

ESS Application & Growatt Solution



Split Type Solution



WIT+ACE / WIT+AXE Combined System

Micro-Grid Scenarios



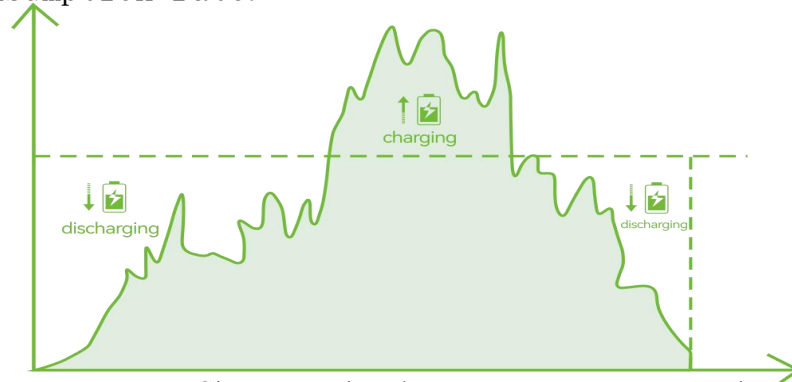
Commercial Scenarios



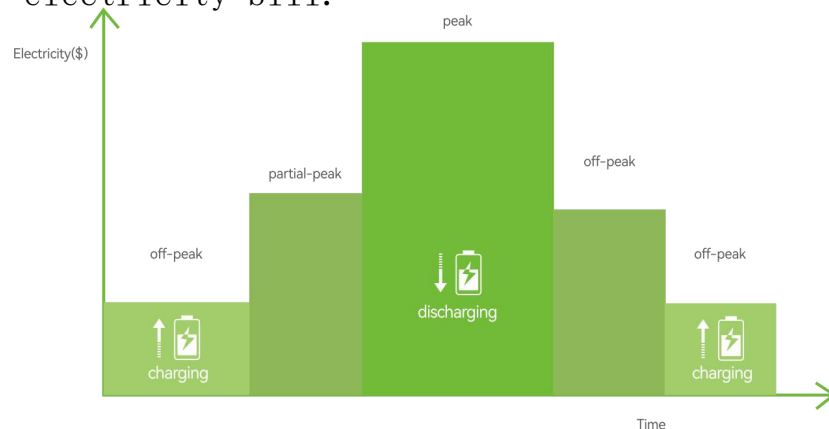
Industry Scenarios



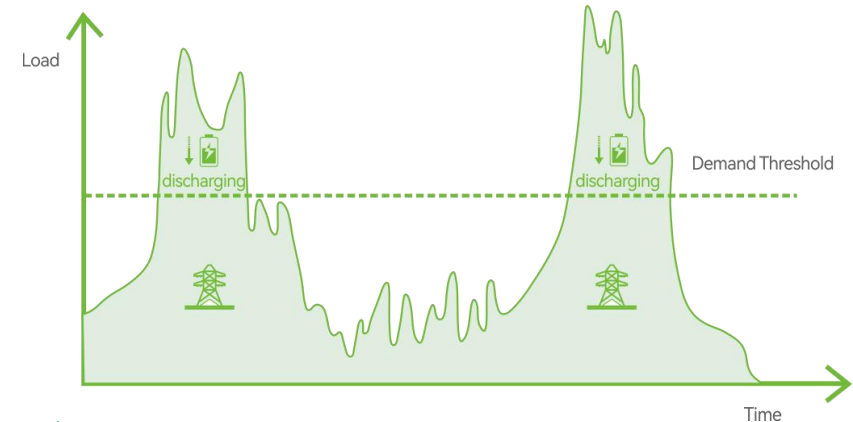
- **Self-Consumption:** Storing the surplus solar power into the battery during the day and using it at night, which maximizes the solar energy self-consumption rate.



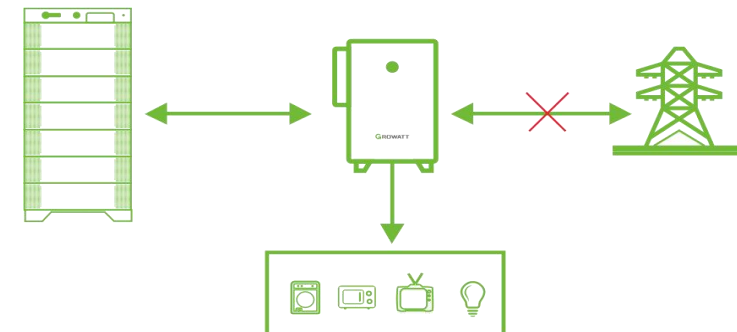
- **Time of Use:** Charge the battery at off-peak tariff and use it at peak tariff to reduce the electricity bill.



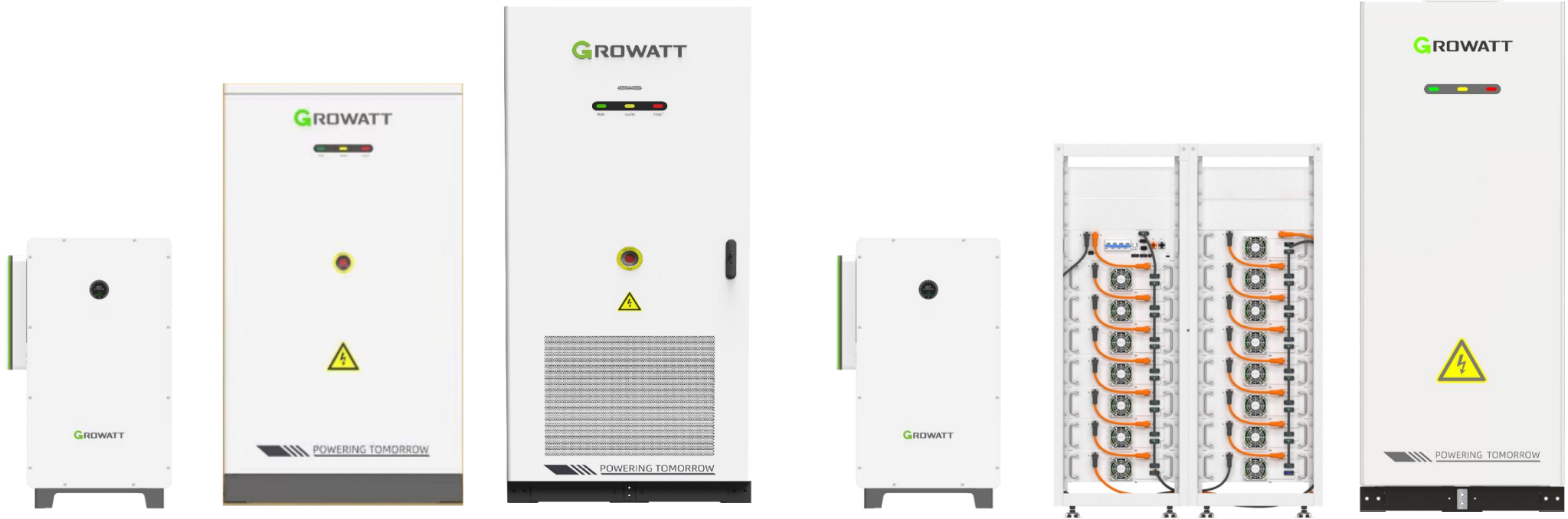
- **Peak Shaving:** The battery will discharge to offset portions of the load consumption beyond the power demand threshold to reduce the electricity bill.



- **Backup Power:** The energy storage system as a backup power will supply power to the load when the power grid fails.



In addition to the above applications, it can also support microgrids, power quality improvement, grid services, etc



WIT 50-100K-HU + ACE 209/261H-2H

WIT 50-100K-HU + AXE 75.0H-1HR-E1

Part 1

WIT 50-100K-HU + ACE System



Part 1.1

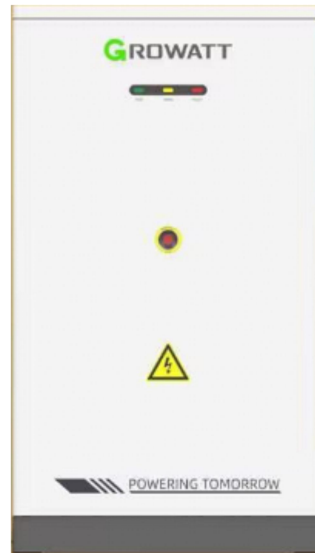
WIT 50-100K-HU + ACE System Overveiw



WIT+ACE System



WIT 50-100K-HU (AU)



ACE 209H-2H

- Nominal Output Power: 50/63/75/100kW
- Nominal AC Voltage: 380/400/415V
- Nominal AC Frequency: 50/60Hz
- Battery Energy: 209kWh
- PV Input Power: 2 nominal power (for HU/H model)
- AC Grid Connection Type: 3P3W+PE/3P4W+PE
- Ingress Protection: IP66 (Inverter)/IP55 (Battery)
- Working Mode: On-grid and off-grid mode
- On/Off Switching Time: <10ms
- Installation Method: Cabinet (battery), Floor (Inverter)
- Parallel System: 6 sets (on-grid mode), 3 sets (off-grid mode)

WIT+ACE System



WIT 50-100K-HU (AU)



ACE 261H-2H

- Nominal Output Power: 50/63/75/100kW
- Nominal AC Voltage: 380/400/415V
- Nominal AC Frequency: 50/60Hz
- Battery Energy: 261kWh
- PV Input Power: 2 nominal power (for HU/H model)
- AC Grid Connection Type: 3P3W+PE/3P4W+PE
- Ingress Protection: IP66 (Inverter) / IP55 (Battery)
- Working Mode: On-grid and off-grid mode
- On/Off Switching Time: <10ms
- Installation Method: Cabinet (battery), Floor (Inverter)
- Parallel System : 6 sets (on-grid mode), 3 sets (off-grid mode)

Part 1.2

WIT 50–100K–HU Hybrid Inverter Overview



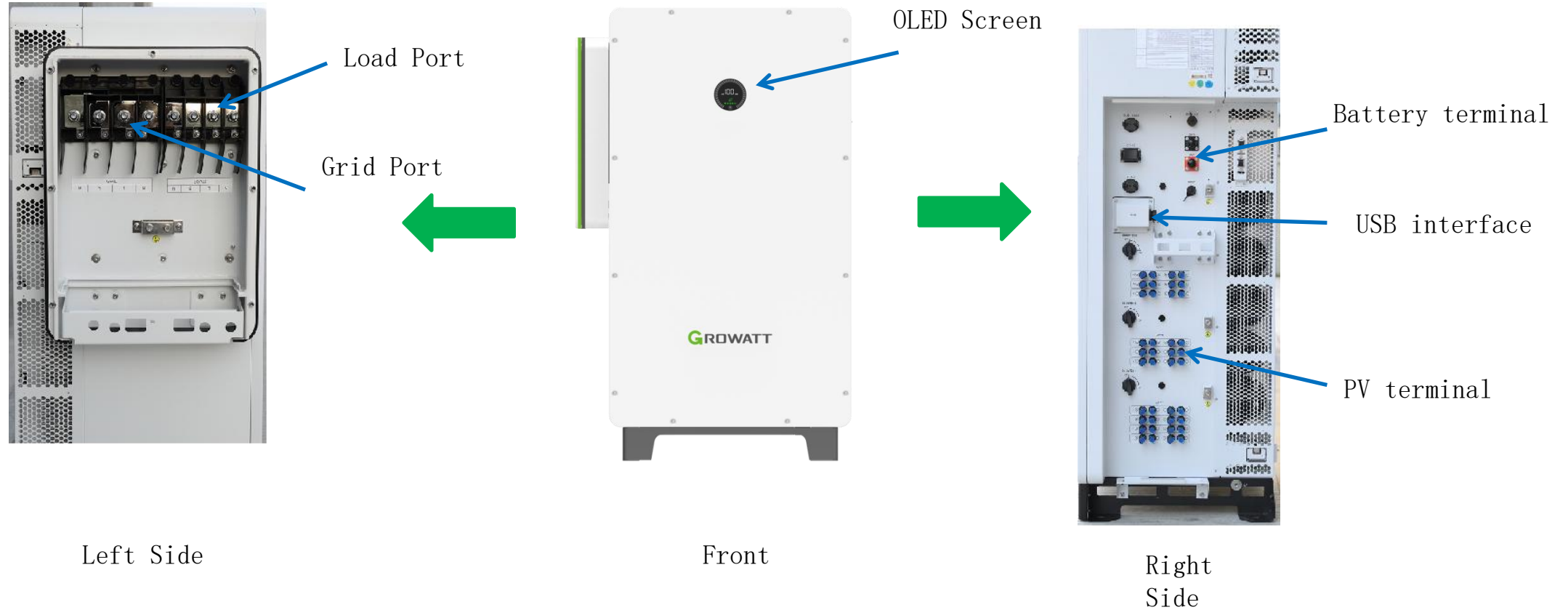


Hybrid or Storage Inverter

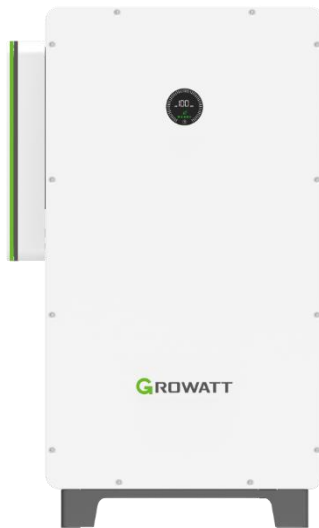
WIT 50-100K

- Product Model: WIT 50-100K-HU (H/AU/A)
- Nominal Output Power: 50/63/75/100kW
- Nominal AC Voltage: 380V/400V/415V
- Nominal AC Frequency: 50/60Hz
- Battery Voltage Range: 600-1000V (3P3W) or 680-1000V (3P4W)
- Max Open Circuit Voltage: 1000V (-H/HU model)
- Continuous Max AC Output Power: 110% rated power
- AC Grid Connection Type: 3P3W+PE or 3P4W+PE
- Max. Efficiency: 98.2%
- Ingress Protection: IP66
- Wide Temperature Range: -30° C ~ 60° C
- Communicaiton Interface: RS485/CAN

- -HU model: **Hybrid inverter** and **with** automatic on/off-grid switching function (UPS function)
- -H model: **Hybrid inverter** and **without** automatic on/off-grid switching function
- -AU model: **Storage inverter** and **with** automatic on/off-grid switching function (UPS function)
- -A model: **Storage inverter** and **without** automatic on/off-grid switching function
- When the PV voltage or battery voltage exceeds 850V, the output power of the inverter will derate
- Please contact with Growatt technical team before matching third-party battery system



- -HU model: include grid port、load port、PV terminal、and battery terminal
- -H model: include grid port、PV terminal、and battery terminal
- -AU model: include grid port、load port、and battery terminal
- -A model: include grid port、 battery terminal



Hybrid or Storage
Inverter



Higher Yields

Up to 2.0 Ratio DC/AC

Max. efficiency 98%

String current 16A for high power modules

10 MPPTs, 20 strings per inverter

Build-in PID recovery function



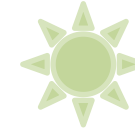
Safe and Reliable

Fuse free design

IP66 protection degree

Type II SPD on DC&AC side

Active ARC protection (AFCI)



AC Power Ability

100% unbalanced load when backup

110% continuous AC overloading capacity

Scalable up to 300kW in off-grid application



Smart

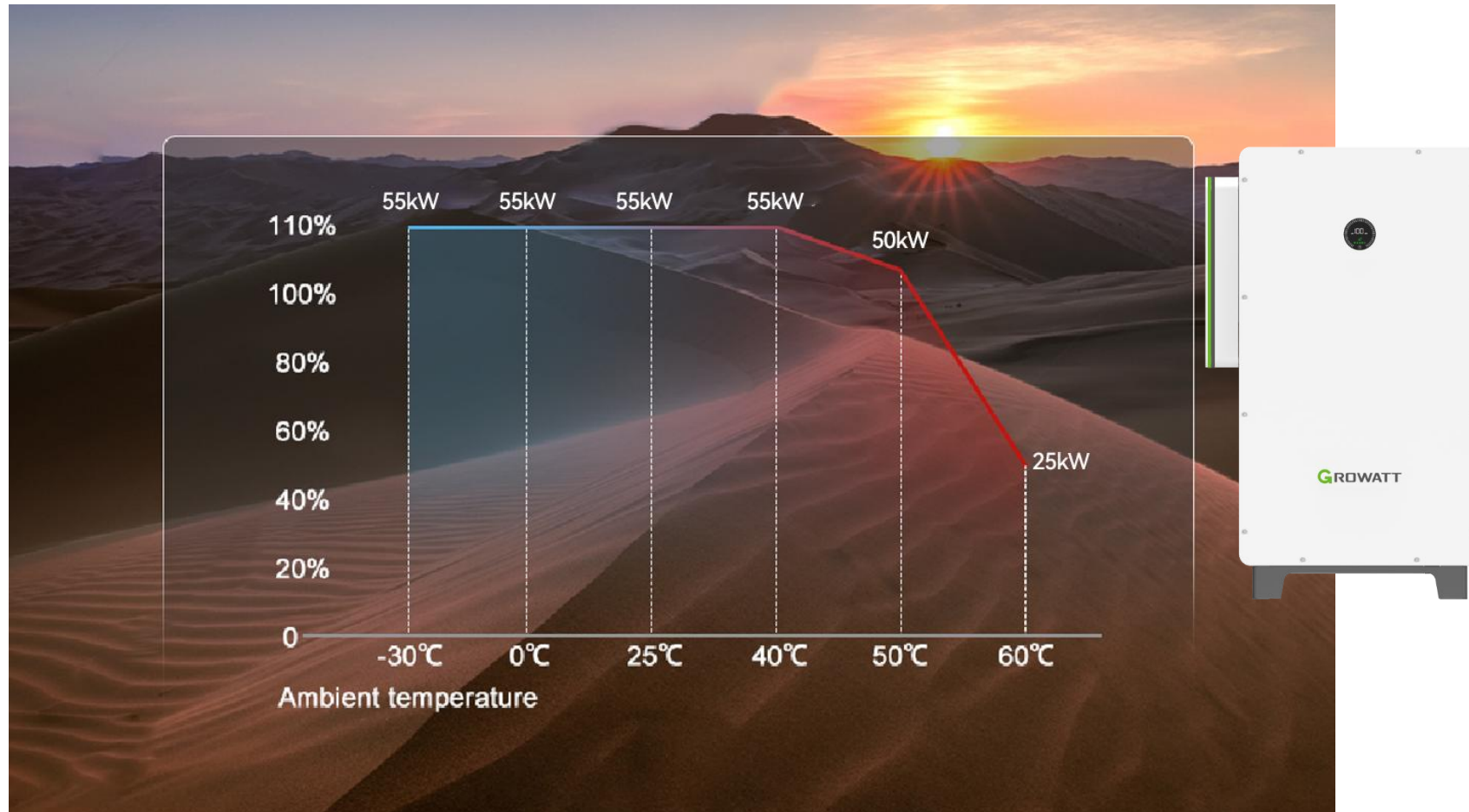
Intelligent string monitoring

Smart IV curve scanning

One-click-diagnosis

Remote online maintenance

Wide Operating Temperature



The operating temperature range of WIT is -30°C ~ 60°C , and it supports full power operation within 50°C .

Ultimate User Experience



OLED Screen plus Touch Key

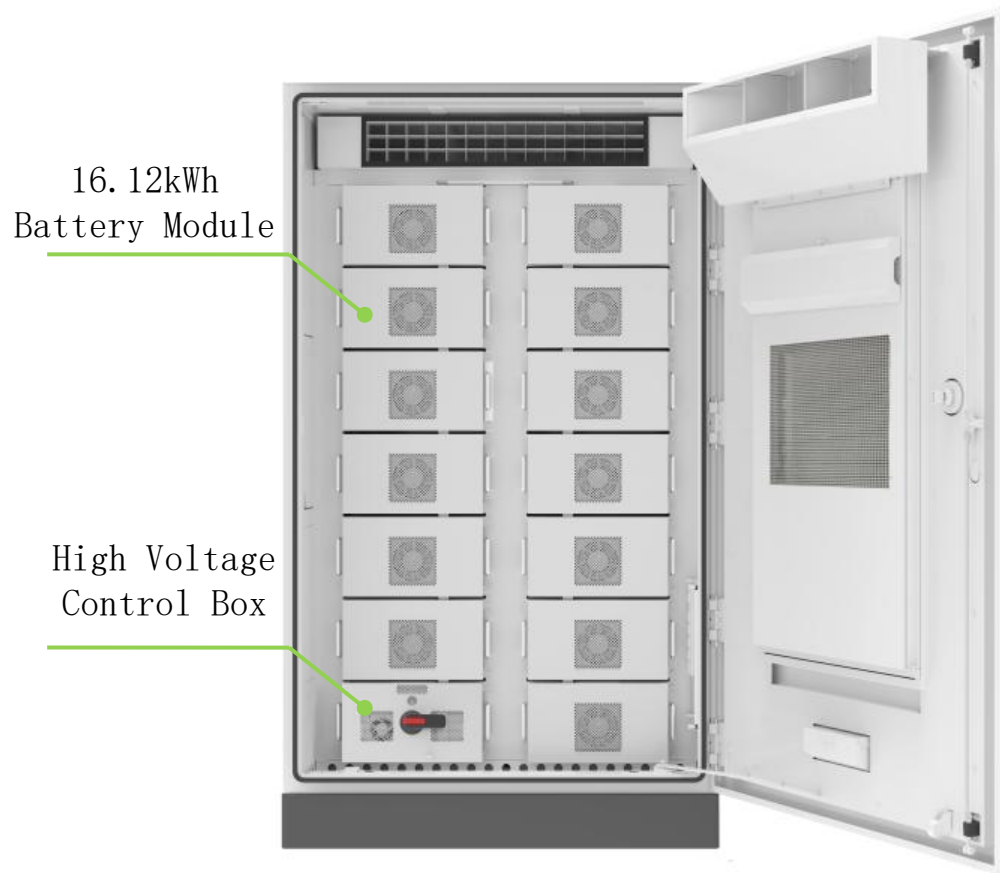
Get everything at a glance like battery soc, the state of PV/grid/battery, working modes, communication state, output power, alarm, fault etc.

Part 1.3

ACE Battery Storage Overview



ACE 209H-2H Commercial Battery



ACE 209H-2H

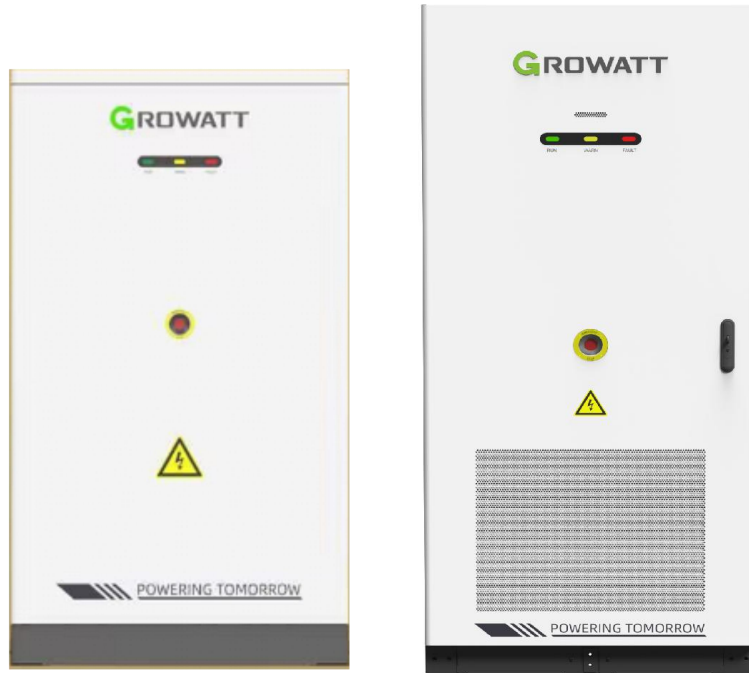
- **Product Model:** ACE 209H-2H
- **Battery Energy:** 209kWh
- **Nominal DC Voltage:** 748.8V
- **Max. Charge/Discharge Current:** 0.5C
- **System Max. Efficiency:** 90%
- **Dimension:** W1200*D1385*H2100mm
- **Ingress Protection:** IP55
- **Wide Temperature Range:** -25° C - 55° C
- **Cooling Mode:** Smart air cooling(Air Conditioner)
- **Fire Extinguishing Method:** Aerosol
- **Auxiliary System:** Smoke sensor, temperature sensor, gas detection, temperature and humidity sensor, access control, water immersion



ACE 261H-2H

ACE 261H-2H Commercial Battery

- Product Model: ACE 261H-2H
- Battery Energy: 261kWh
- Nominal DC Voltage: 832V
- Max. Charge/Discharge Current: 0.5C
- System Max. Efficiency: 90%
- Dimension: W1000*D1300*H2050mm
- Ingress Protection: IP55
- Wide Temperature Range: -25°C - 55°C
- Cooling Mode: Liquid cooling
- Fire Extinguishing Method: Aerosol
- Auxiliary System: Smoke sensor, temperature sensor, gas detection, temperature and humidity sensor, access control, water immersion



ACE Battery System Series

Harsh Environment Adaptability

- Wide temperature range of -25°C - 55°C
- IP 55 Design, support outdoor installation

Flexible Expansion Design

- 209/261 optional battery energy capacity
- Supports capacity expansion of multiple cabinets

Safe and Reliable

- High safety LFP cell
- Outdoor cabinet design
- Multiple level protection from BMS, fire protection system and auxiliary system
- Automatic balancing in both pack and cell

Flexible deployment

- Supports whole-cabinet transportation and installation
- Supports centralized and distributed deployment
- Support indoor and outdoor installation

Harsh Environment Adaptability

- Wide temperature range of -25°C - 55°C
- High protection level design, support outdoor installation

Flexible deployment

- Supports indoor and outdoor installation
- Supports distributed or centralized deployment
- Supports different batch deployment

Safe and Reliable

- Superior safety using cobalt-free LFP battery
- Multi-level physical protection
- Built-in multi-level auxiliary protection in battery cabinet

Smart Management

- Real-time monitoring of detailed battery and inverter status
- Supports local display and remote monitoring
- Remote firmware upgrade and lifespan smart online service
- Grid-support functions

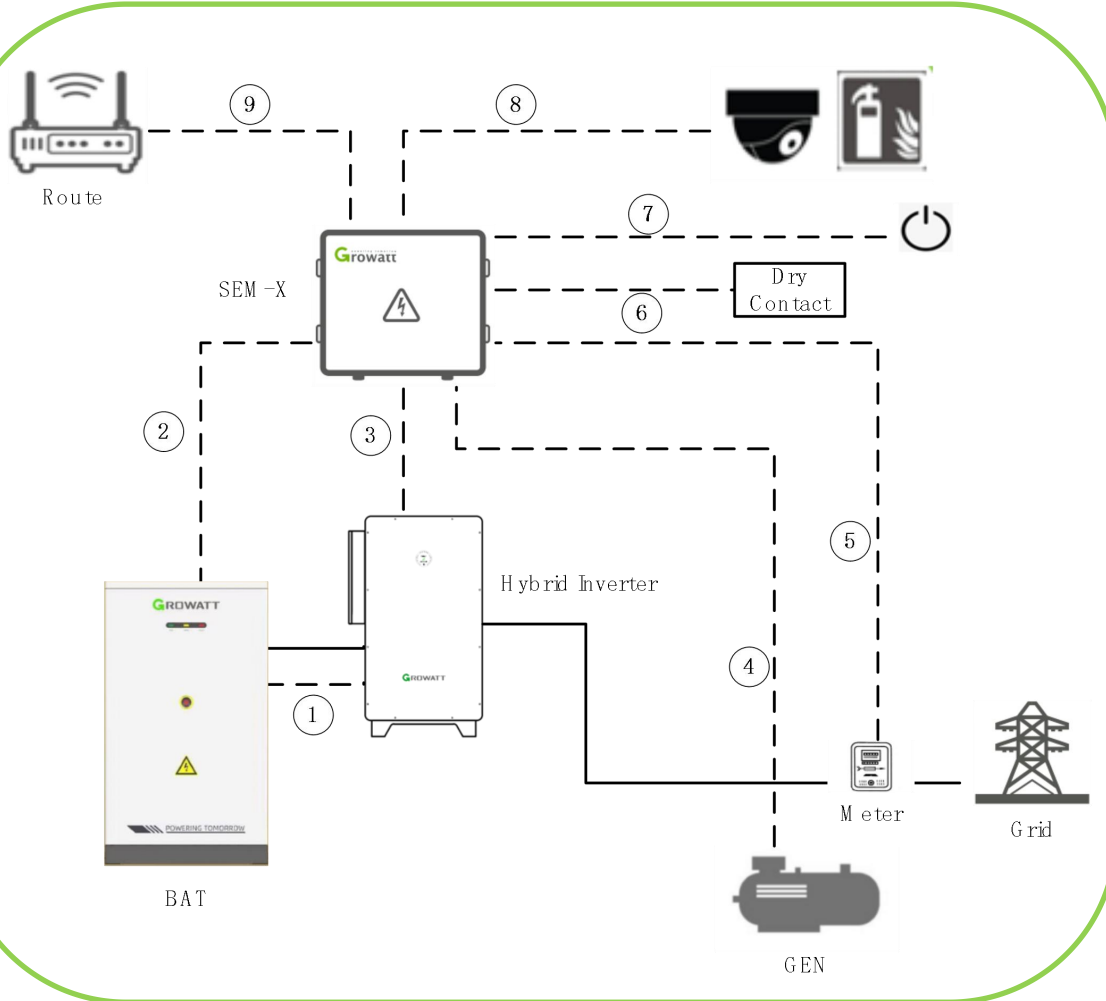
Both WIT and ACE support indoor or outdoor installation. The front and back of the ACE battery cabinet support wall mounted installation. A space of at least 1300mm should be reserved for installation on the back against the wall. A space of at least 200mm should be reserved for installation on the front wall.



Part 1.4

System Communication Solution





No	Communication	Connection	Function
①	CAN/RS485	Inverter and battery	Battery system communication and control
②	RS485	EMS and Battery	Battery system control and battery data acquisition, Function reserved
③	RS485	Inverter and SEM-X	Acquire the whole system information
④	Dry Contact	SEM-X and GEN	Generator start up and stop
⑤	RS485	SEM-X and Smart Meter	Power flow information and export limit function
⑥	Dry Contact	SEM-X Extended port	Dry Contact Control
⑦	DO	SEM-X Control	Function reserved
⑧	DI	SEM-X Control	Emergency stop, security and protection, Fire protection
⑨	LAN	EMS and Internet	Local or Cloud Platform connection

Part 1.5

System Components



Single System			
Product Type	Product Model Name	Product Information	Note
Battery System	ACE 209/261H-2H	LFP, 209/261kWh	Battery system is required
Hybrid Inverters	WIT 50/63/75/100K-HU	-HU model with on/off-grid switch function, single unit supports UPS function	50-100K model is 400Vac output Choose one type of hybrid inverters as needed
Monitoring Device	SEM-XA-R	Smart energy management, used for local or cloud platform connection and complex applications	Include meter, CT needs to be ordered separately for procurement
CT	CT	250A/600A/1200A/2000A	Select different CT according to needs
Backup Box (ATS)	SYN 600E-30 (EU version)	Dual power switch, the solution with generator	ATS is required in generator application

Remark:

- Single WIT inverter only supports single battery cabinet connection.
- Customers can choose our ATS or provide their own ATS.

Multiple System			
Product Type	Product Model Name	Product Information	Note
Battery System	ACE 209/261H-2H	LFP, 209/261kWh	Battery system is required
Hybrid Inverters	WIT 50/63/75/100K-HU	-HU model with on/off-grid switch function, single unit supports UPS function	Max. 6 units in parallel in on-grid scenario and 3 units in off-grid or on/off grid scenario
Monitoring Device	SEM-XA-R	Smart energy management, used for local or cloud platform connection and complex applications	Include meter, CT needs to be ordered separately for procurement
CT	CT	250A/600A/1200A/2000A	Select different CT according to needs
Parallel Cable	WIT Parallel Communication Cable		choose correct material number for 2 or 3 units in parallel
Backup Box (ATS)	SYN 600E-30 (EU version)	Dual power switch, the solution with generator	ATS is required in generator application

Remark:

1. Single WIT inverter only supports single battery cabinet connection.
2. Customers can choose our ATS or provide their own ATS.

Part 1.6

System Diagram for Different Scenarios

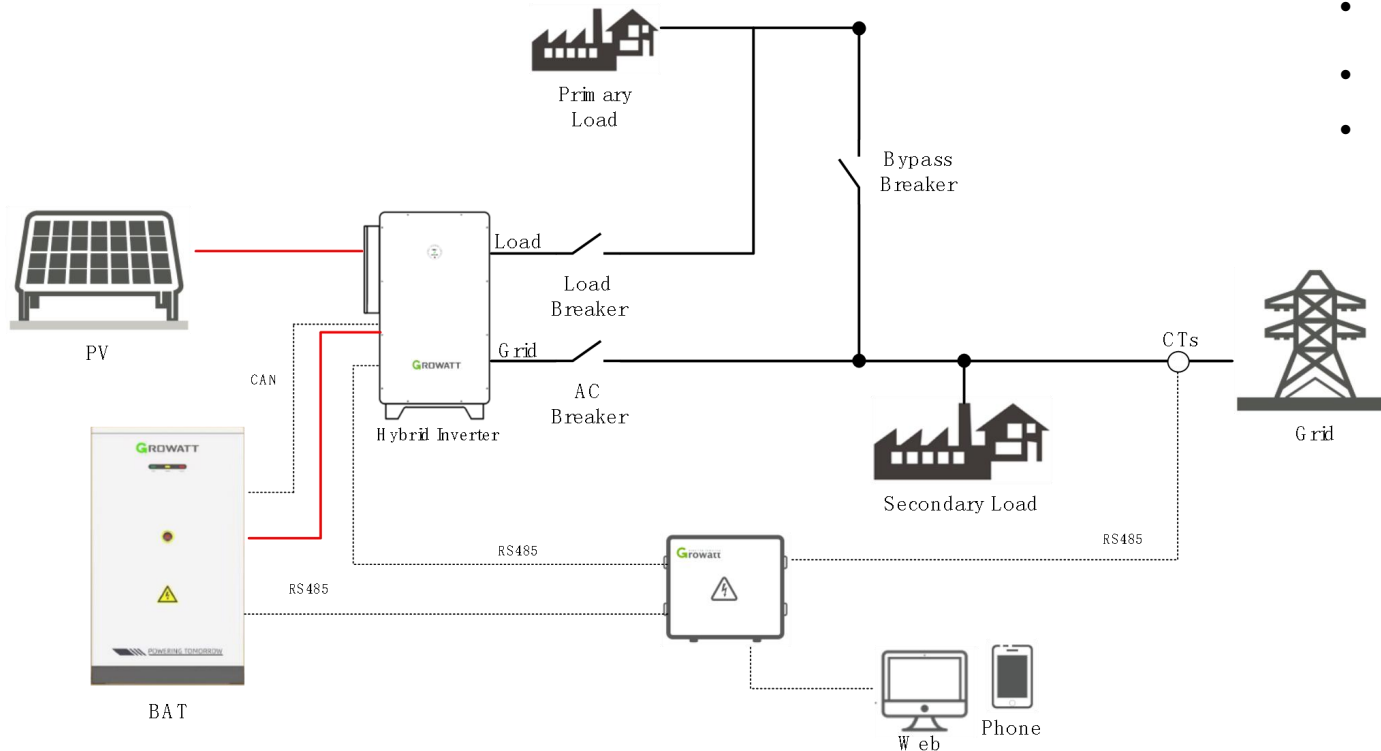


Application Scenario:

1. *Relatively stable grid*
2. *Available for solar installation, within 150kWp*
3. *Need backup (within 4h) for crucial loads and load power less than 100kW*

Hybrid ESS for On/Off-grid Solution

Single system (without DG)



System Composition

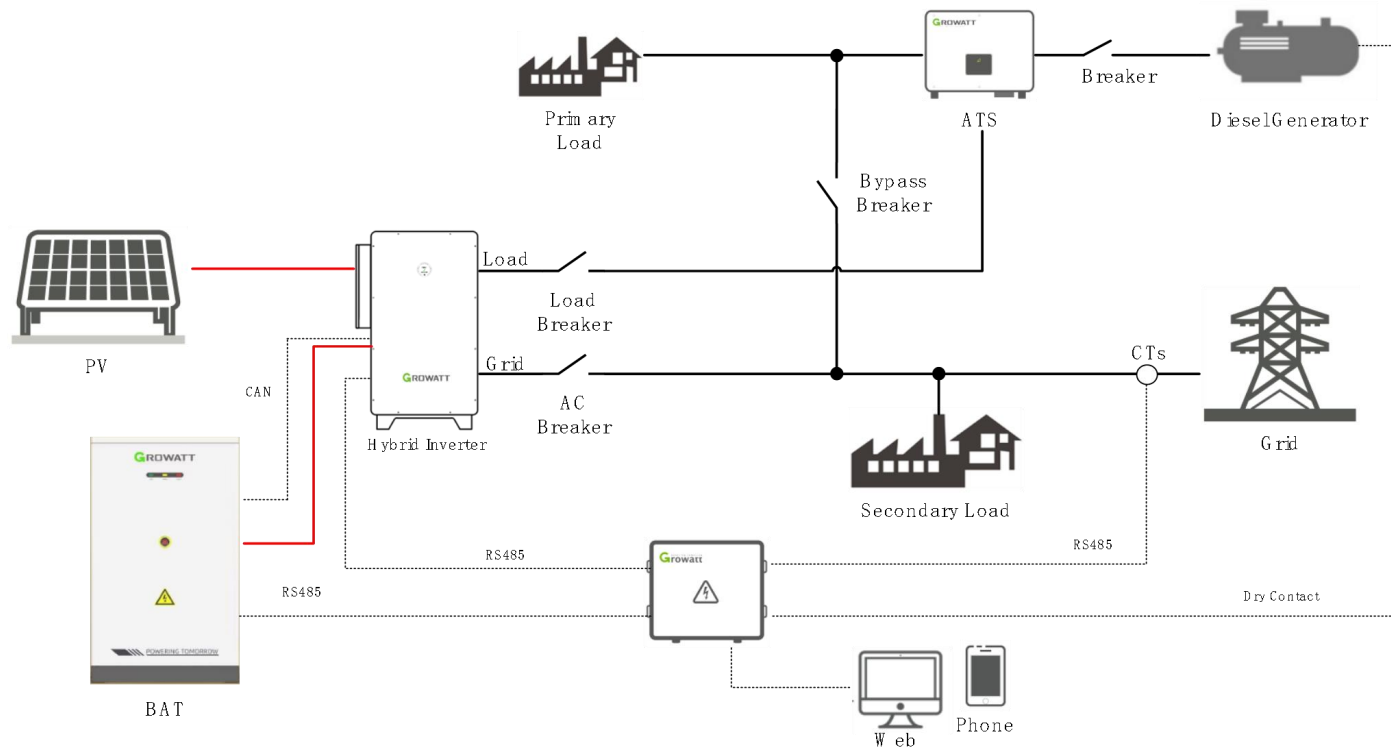
- Inverter: WIT 50-100K-HU
- BAT: ACE 209/261H-2H
- SEM-XA-R+3CTs

Application Scenario:

1. Poor grid, frequent power outage, with diesel generator
2. Available for solar installation, within 150kWp
3. Need backup for crucial loads and load power less than 100kW

Hybrid ESS for On/Off-grid Solution

Single system (with DG)



System Composition

- Inverter: WIT 50-100K-HU
- BAT: ACE 209/261H-2H
- SEM-XA-R+3CTs
- ATS

Remark:

DG power more than load power

Application Scenario:

1. *Relatively stable grid*
2. *Available for solar installation, within 450kWp*
3. *Need backup (within 4h) for crucial loads and load power less than 300kW*

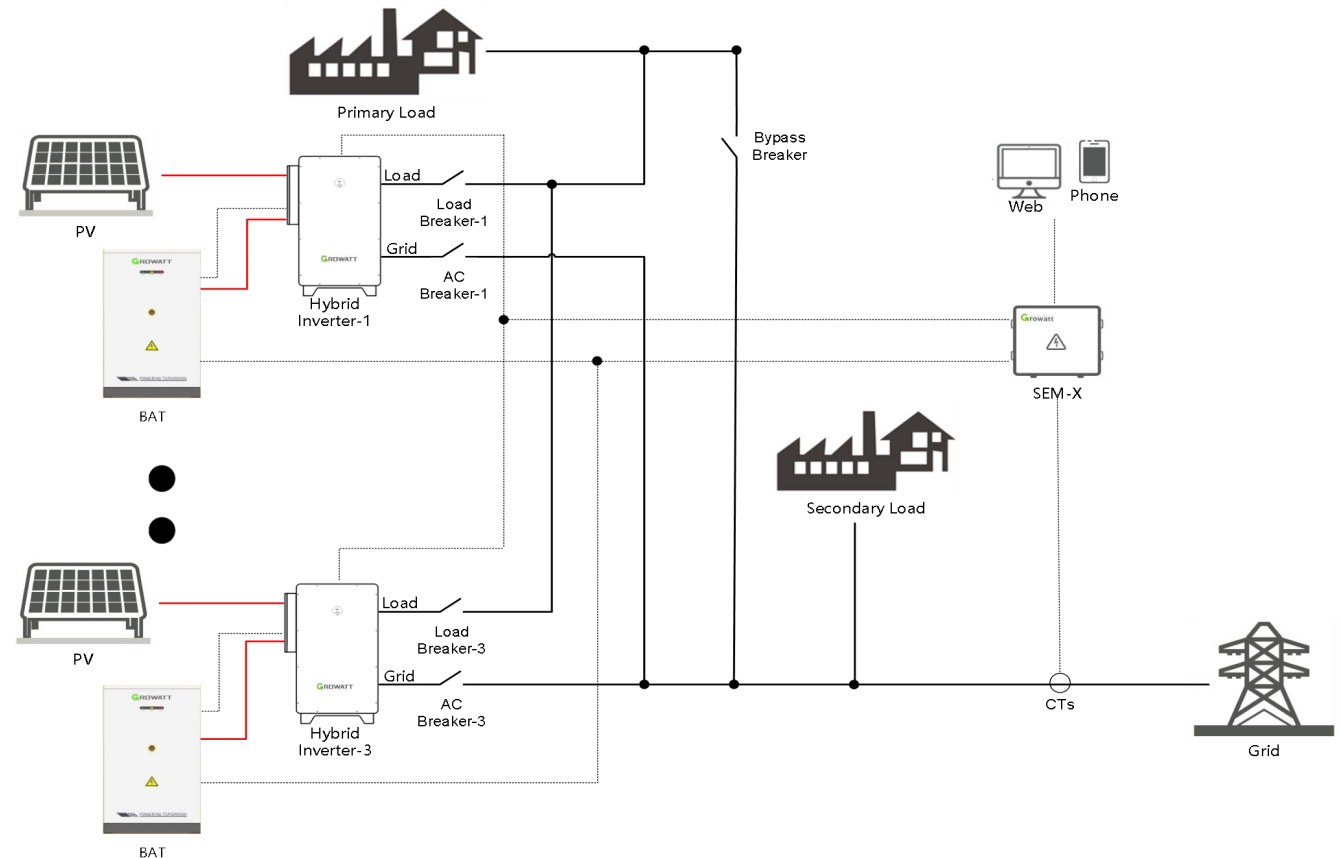
Hybrid ESS for On/Off-grid Solution Multiple system (without DG)

System Composition

- Inverter: WIT 50-100K-HU
- BAT: ACE 209/261H-2H
- SEM-XA-R+3CTs

Remark:

1. Up to 3 inverters in parallel in off-grid mode
2. Built-in meter in SEM-XA-RM
3. Suggest that the total primary load power should not exceed 80% of the total inverter power



Application Scenario:

1. Poor grid, frequent power outage, with diesel generator
2. Available for solar installation, within 450kWp
3. Need backup for crucial loads and load power less than 300kW

Hybrid ESS for On/Off-grid Solution

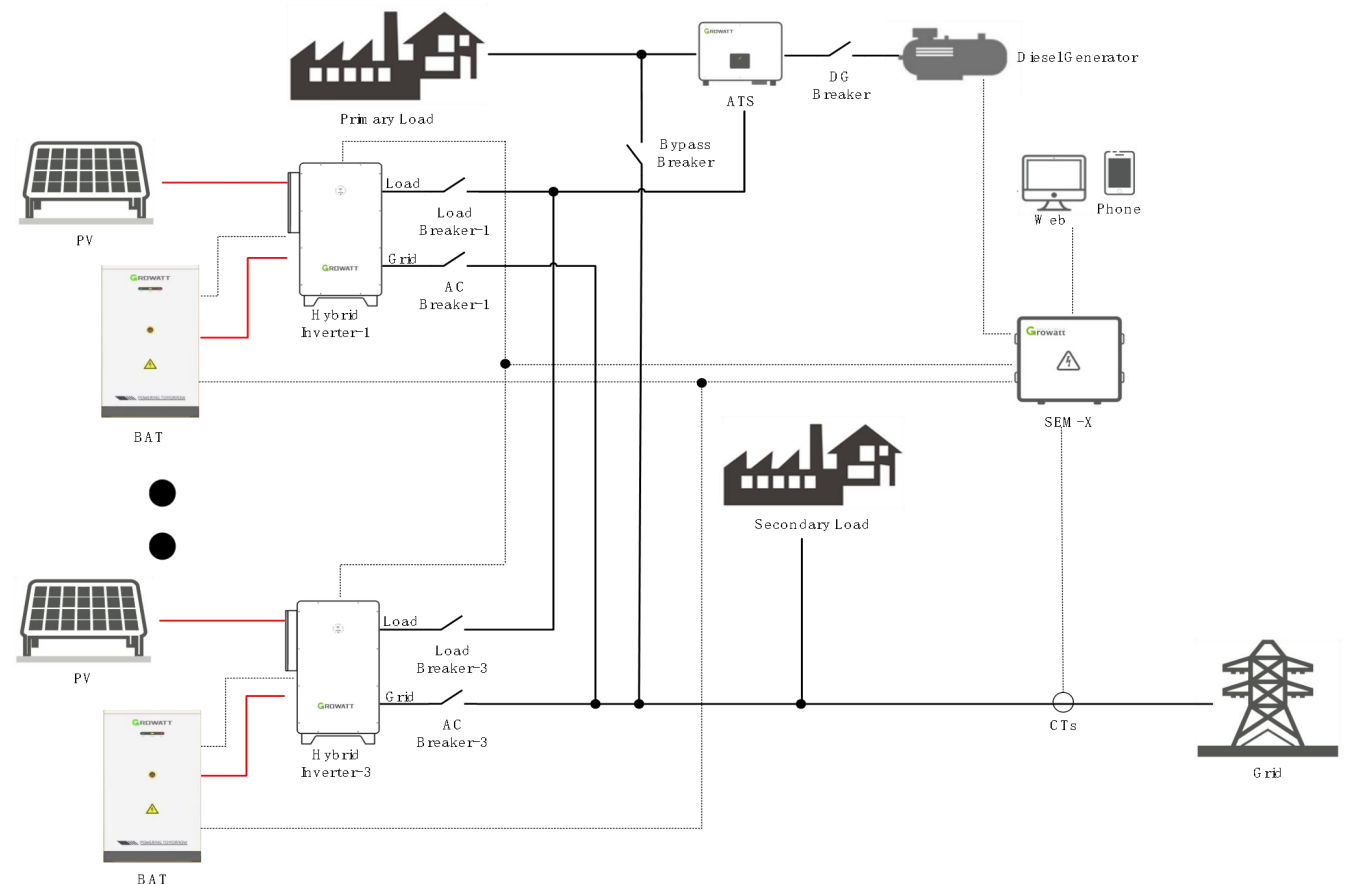
Multiple system (with DG)

System Composition

- Inverter: WIT 50-100K-HU
- BAT: ACE 209/261H-2H
- SEM-XA-R+3CTs
- ATS

Remark:

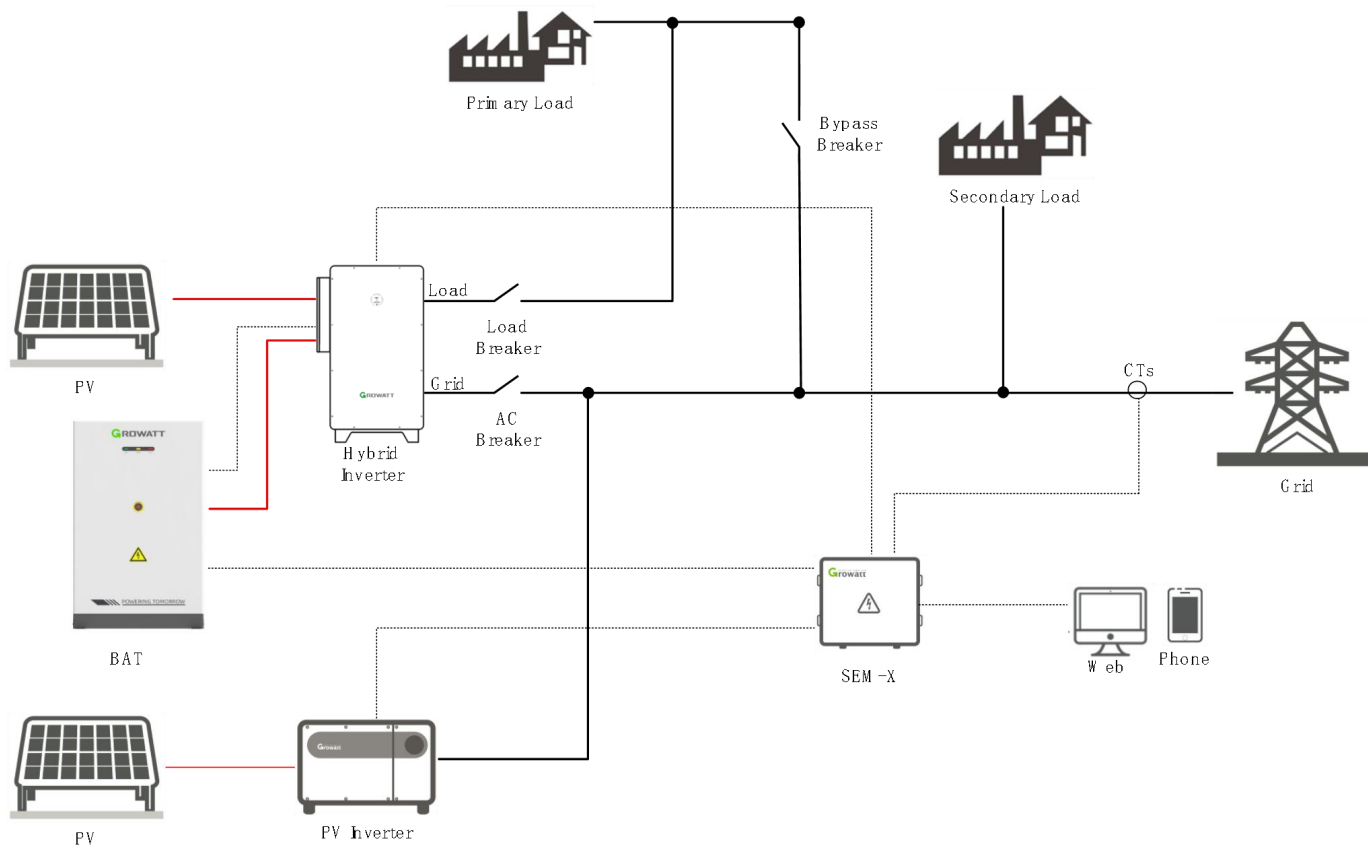
1. Up to 3 inverters in parallel in off-grid mode
2. Built-in meter in SEM-X-RM
3. The total primary load power should not exceed the DG power and the 80% of the total inverter power



Application Scenario:

1. Stable grid, installed solar system already
2. Newly built solar system and ESS, very large PV power, for away between solar system and ESS

AC Couple for On/Off-grid Solution (Hybrid ESS+PV System)



System Composition

- Inverter: WIT 50-100K-HU
- BAT: ACE 209/261H-2H
- SEM-XA-R+3CTs

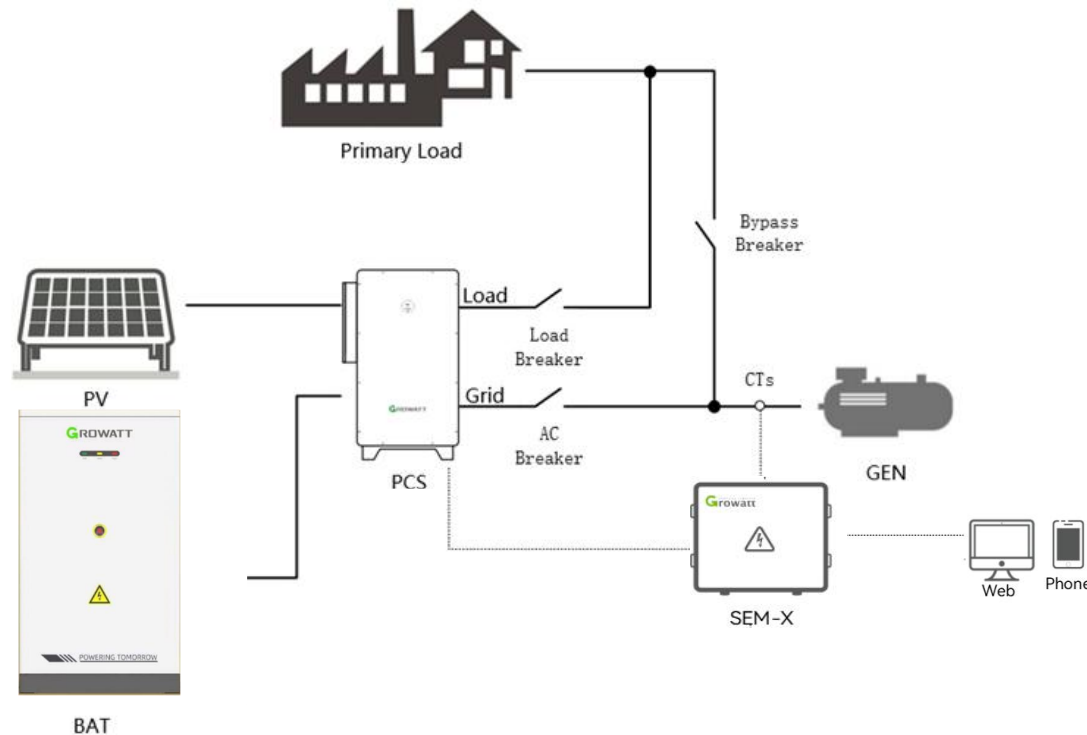
Remark:

1. Preferred Growatt MAX/MID Series PV inverter
2. The total number of WIT and PV inverters shall not exceed 6 pcs

Application Scenario:

1. No grid, with diesel generator
2. Available for solar installation
3. Need backup for crucial loads

Hybrid ESS for Off-grid Solution (With DG)



System Composition

- Inverter: WIT 50-100K-HU
- BAT: ACE 209/261H-2H
- SEM-XA-R + 3CTs

Remark:

1. Up to 3 inverters in parallel in off-grid mode
2. Meters and CTs are required to achieve export limitation to the DG
3. The DG power should not be less than the critical load power
4. For parallel system, suggest that the total load power should not exceed 80% of the total inverter power

Part 2

WIT 50-100K-HU + AXE System

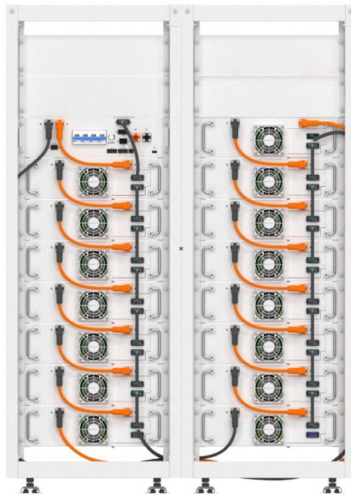


Part 2.1

WIT 50-100K-HU + AXE System Overview



WIT+AXE System



AXE 75.0H-1HR-E1



WIT 50-100K-HU

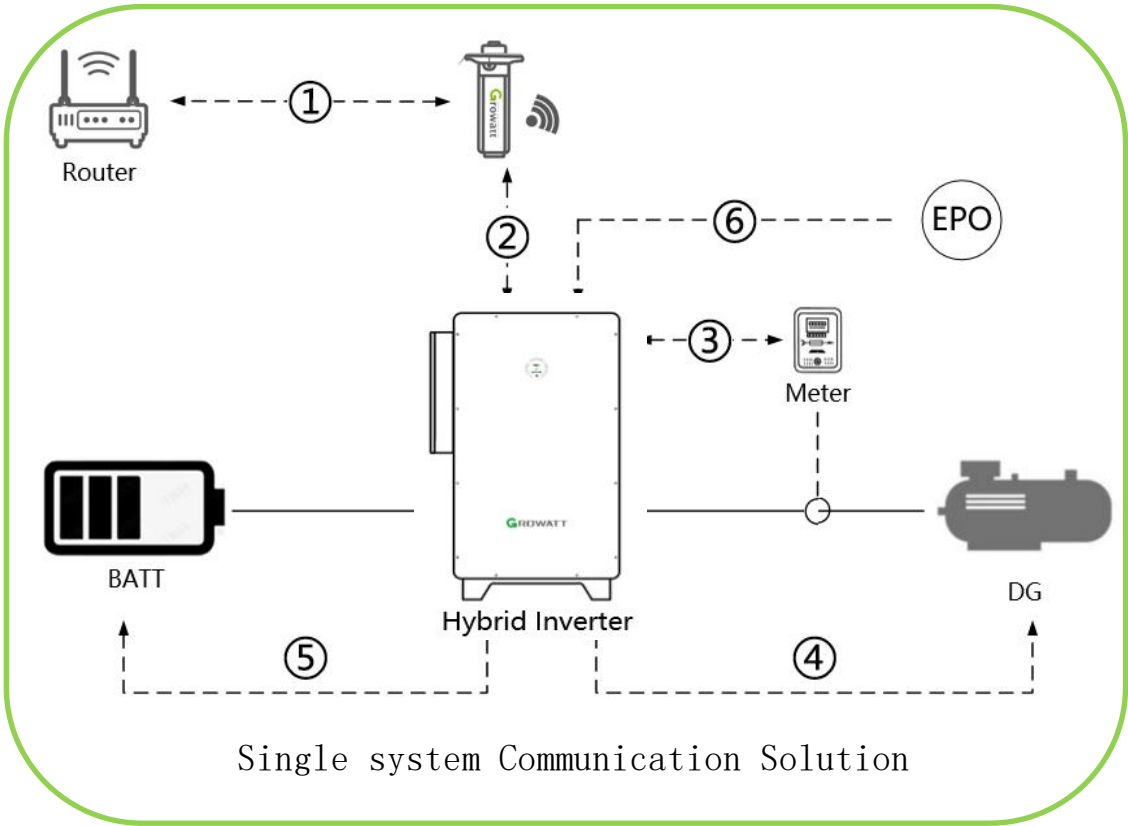
- Nominal Output Power: 50/63/75/100kW
- Nominal AC Voltage: 380/400/415V
- Nominal AC Frequency: 50/60Hz
- Battery Energy: **Max 4 battery racks** (75kWh for single rack)
- PV Input Power: Up to 2 nominal power
- AC Grid Connection Type: 3P3W+PE/3P4W+PE
- Ingress Protection: IP66 (for hybrid inverter) /IP20 (for battery rack)
- Working Mode: On-grid and off-grid mode
- On/Off Switching Time: <10ms
- Installation Method: Indoor Rack (battery) , Floor (Inverter)
- Parallel System for Inverter : 6 sets (on-grid mode), 3 sets(off-grid mode)

Part 2.2

System Communication Solution



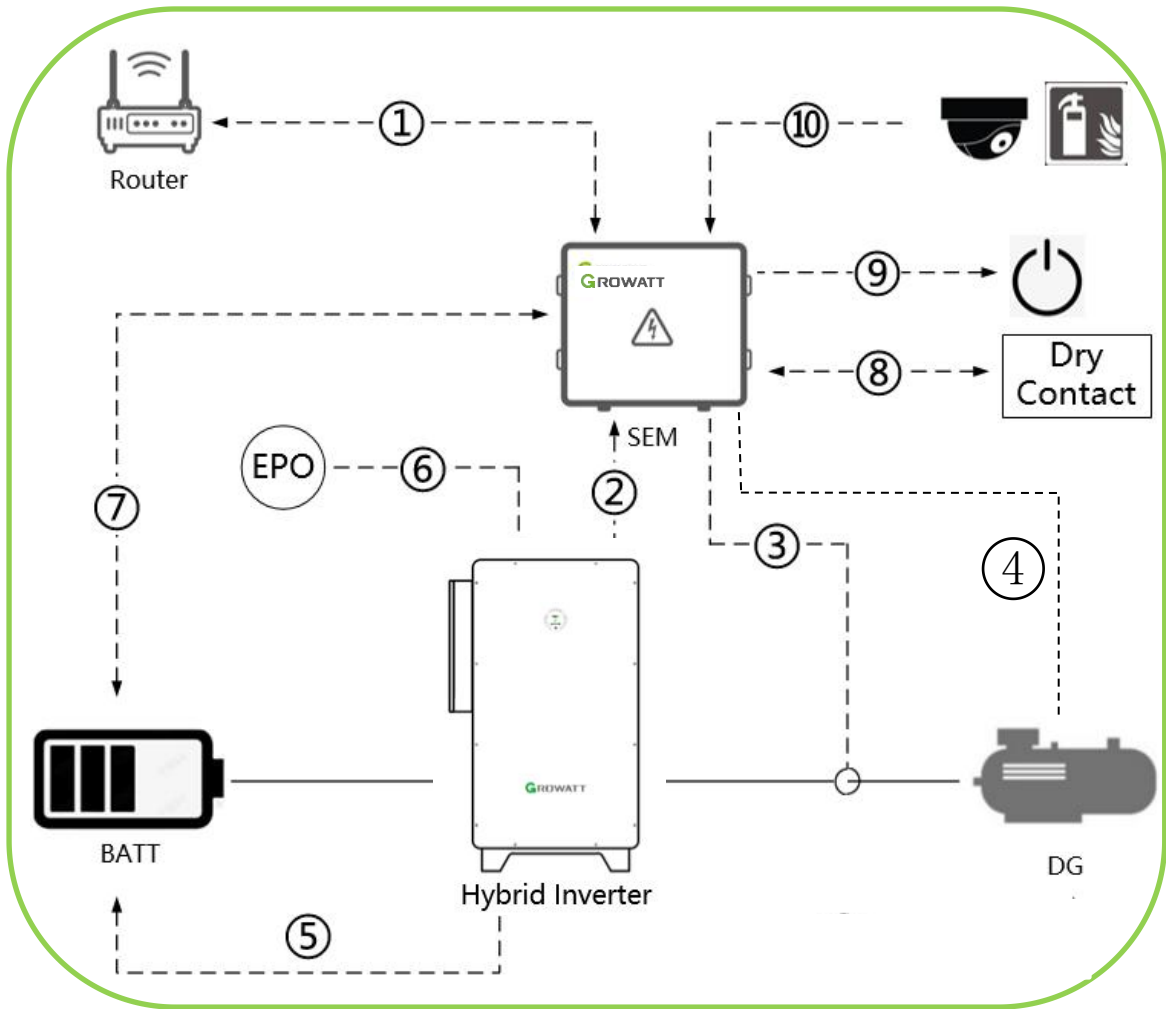
Single System Communication Topology



No	Communication	Connection	Function
①	LAN/WIFI	Network	Local or Cloud Platform connection
②	USB/RS485	Datalogger and hybrid/storage inverter	Acquire the whole system information without all battery cell information and long-time running curve
③	RS485	Hybrid/storage inverter and Smart meter	Power flow information and export limit function
④	Dry Contact	Hybrid/storage inverter and Generation	Generator start up and stop
⑤	CAN/RS485	Hybrid/storage inverter and Battery	Battery system communication and control
⑥	DI	EPO	Emergency Stop

*Datalogger supports ShineWiLAN-X2

Multiple System Communication Solution



No	Communication	Connection	Function
①	LAN/4G	EMS and Internet	Local or Cloud Platform connection
②	RS485	EMS and hybrid/storage inverter	Acquire the WIT inverter information
③	RS485	SEM-X and Smart Meter	Power flow information and export limit function
④	Dry Contact	SEM-X and DG	Generator start up and stop
⑤	CAN	Inverter and battery	Battery system communication and control
⑥	DI	Inverter and EPO	Emergency stop
⑦	RS485	SEM-X and Battery	Battery system control and battery data acquisition
⑧	Dry Contact	SEM-X Extended port	PLC or Dry Contact Control
⑨	DO	SEM-X Control	Function reserved
⑩	DI	SEM-X Control	Emergency stop, security and protection, Fire protection

Part 2.3

System Components



System Option					
AXE 75.0H-1HR-E1*4 (307.2kWh)	✓	✓	✓	✓	✓
AXE 75.0H-1HR-E1*3 (230.4kWh)	✓	✓	✓	✓	✓
AXE 75.0H-1HR-E1*2 (153.6kWh)	✓	✓	✓	✓	✓
AXE 75.0H-1HR-E1*1 (76.8kWh)	✓	✓	✓	Limited (Max 75kW)	Limited (Max 75kW)
	WIT 50K-HU	WIT 63K-HU	WIT 75K-HU	WIT 100K-HU	WIT 100K-HU (P)

(1) Labeled with “✓” means the system can have a full load AC output when only battery, and labeled with “Limited” means the AC max output of the system with corresponding battery system.

For Single System

Product Type	Product Model Name	Product Information	Note
Battery System	AXE 75.0H-1HR-E1	Up to 4 sets of battery rack in parallel	Battery system is required
Hybrid Inverters	WIT 50/63/75/100K-H/HU	-HU model with on/off-grid switch function, single unit supports UPS function	50-100K model is 400Vac output Choose one type of hybrid/storage inverters as needed
Datalogger	Datalogger	ShineWiLAN-X2	Shipped standard with shineWiLAN-X2 module, no need to order additionally
Smart Meter	TPM-CT-C-EU TPM-CT-E-EU	Meter + CT (250/5A, 600/5A, 1200/5A)	Single sytem application, select different CT according to needs
Backup Box (ATS)	EU SYN 600E-30	Dual power switch, the solution with generator	ATS is required in generator application

Remark:

1. Customers can provide their own ATS, but ATS needs to support dry contact communication

For Multiple System or AC Coupled System

Product Type	Product Model Name	Product Information	Note
Battery System	AXE 75.0H-1HR-E1	Up to 4 sets of battery rack in parallel	Battery system is required
Hybrid Inverters	WIT 50/63/75/100K-H/HU	-HU model with on/off-grid switch function, single unit supports UPS function	• 50-100K model is 400Vac output • Choose one type of hybrid/storage inverters as needed
Monitoring Device	SEM-XA-R	Smart energy management, used for local or cloud platform connection and complex applications	Multiple system application, include meter, CT needs to be ordered separately for procurement
CT	CT	250/5A, 600/5A, 1200/5A, 2000/5A	Single sytem application, select different CT according to needs
Backup Box (ATS)	EU SYN 600E-30	Dual power switch, the solution with generator	ATS is required in generator application

Remark:

1. Customers can provide their own ATS, but ATS needs to support dry contact communication

System Option				
AXE 45.0~55.0H-1HR-E1*4 (184.32~225.28kWh)	✓	✓	✓	✓
AXE 45.0~55.0H-1HR-E1*3 (138.24~168.96kWh)	✓	✓	✓	✓
AXE 45.0~55.0H-1HR-E1*2 (92.16~112.64kWh)	✓	✓	✓	✓
AXE 55.0H-1HR-E1*1 (56.32kWh)	✓	✓	✓	✓
AXE 50.0H-1HR-E1*1 (51.2kWh)	✓	✓	✓	Limited (Max 50kW)
AXE 45.0H-1HR-E1*1 (46.08kWh)	✓	✓	✓	Limited (Max 40kW)
	WIT 28K-HU-US L2	WIT 35K-HU-US L2	WIT 40K-HU-US L2	WIT 55K-HU-US L2

Labeled with “✓” means the system can have a full load AC output when only battery, and labeled with “Limited” means the AC max output of the system with cosrresponding battery system.

System Option				
AXE 55.0H-1HT-S1*4 (225.28kWh)	✓	✓	✓	✓
AXE 55.0H-1HT-S1*3 (168.96kWh)	✓	✓	✓	✓
AXE 55.0H-1HT-S1*2 (112.64kWh)	✓	✓	✓	✓
AXE 55.0H-1HT-S*1 (56.32kWh)	✓	✓	✓	✓
	WIT 28K-HU-US L2	WIT 35K-HU-US L2	WIT 40K-HU-US L2	WIT 55K-HU-US L2

Labeled with “ ✓ ” means the system can have a full load AC output when only battery, and labeled with “Limited” means the AC max output of the system with cosrresponding battery system.

Part 2.4

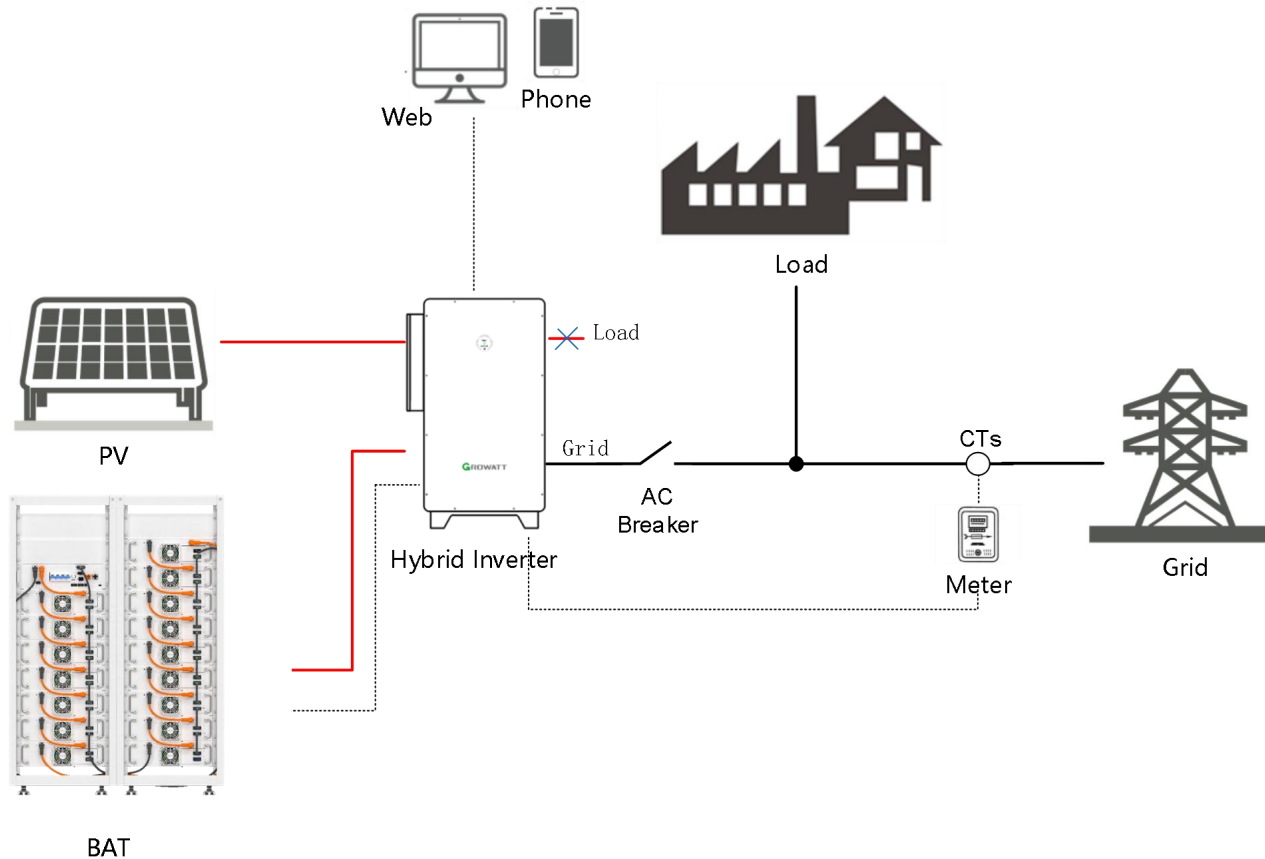
System Diagram



Application Scenario:

1. *Stable grid*
2. *Available for solar installation*
3. *No need backup for loads*

Hybrid ESS for On-grid Solution



System Composition

- **Inverter:** WIT 50-100K-HU; WIT 28-55K-HU-US L2
- **BAT:** AXE Series Battery System
- **Meter+3CTs**

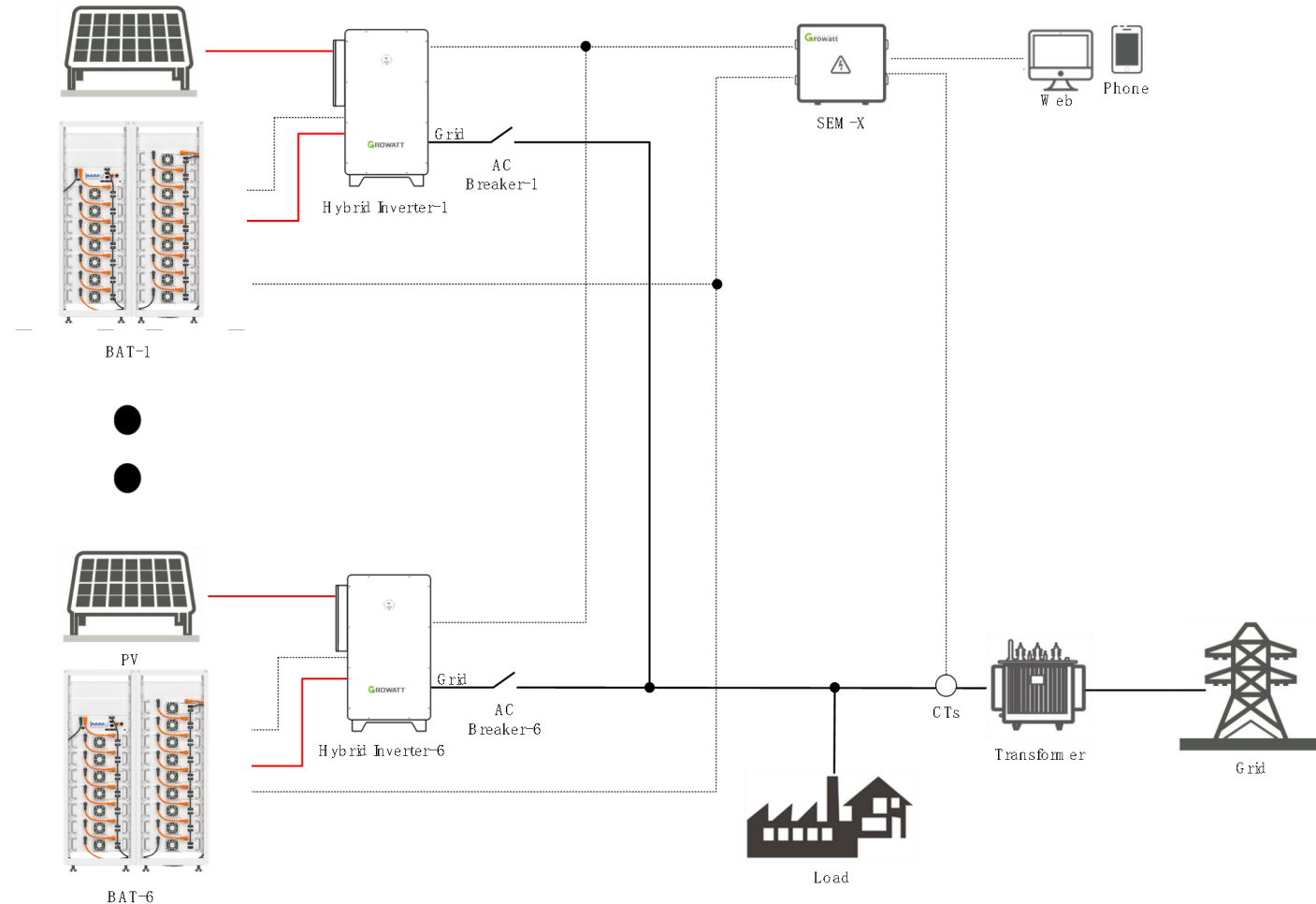
Recommended Solution for C&I Application Scenarios

Application Scenario:

1. Stable grid
2. Available for solar installation, within 900kWp
3. No need backup for loads

Hybrid ESS for On-grid Solution

Multiple System in Parallel



System Composition

- Inverter: WIT 50-100K-HU;
- BAT: AXE Series Battery System
- SEM-XA-R
- 3CTs (Opt)

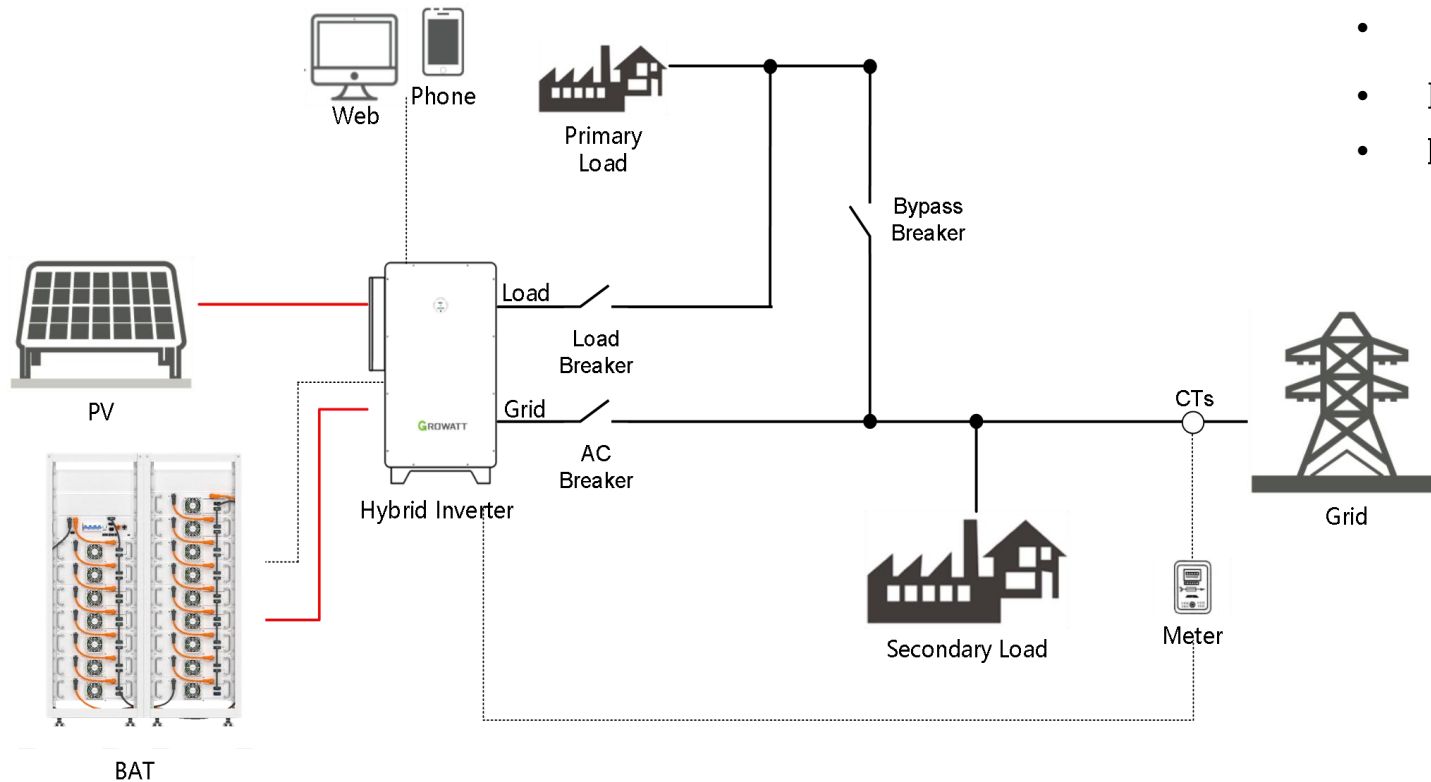
Remark:

- Up to 6 inverters in parallel
- Built-in meter in SEM-X-R

Application Scenario:

1. *Relatively stable grid*
2. *Available for solar installation*
3. *Need backup for crucial loads and load power less than 100kW*

Hybrid ESS for On/Off-grid Solution



System Composition

- Inverter: WIT 50-100K-HU;
- BAT: AXE Series Battery System
- Meter+3CTs

Application Scenario:

1. *Relatively stable grid*
2. *Available for solar installation, within 500kWp*
3. *Need backup for crucial loads and load power less than 300kW*

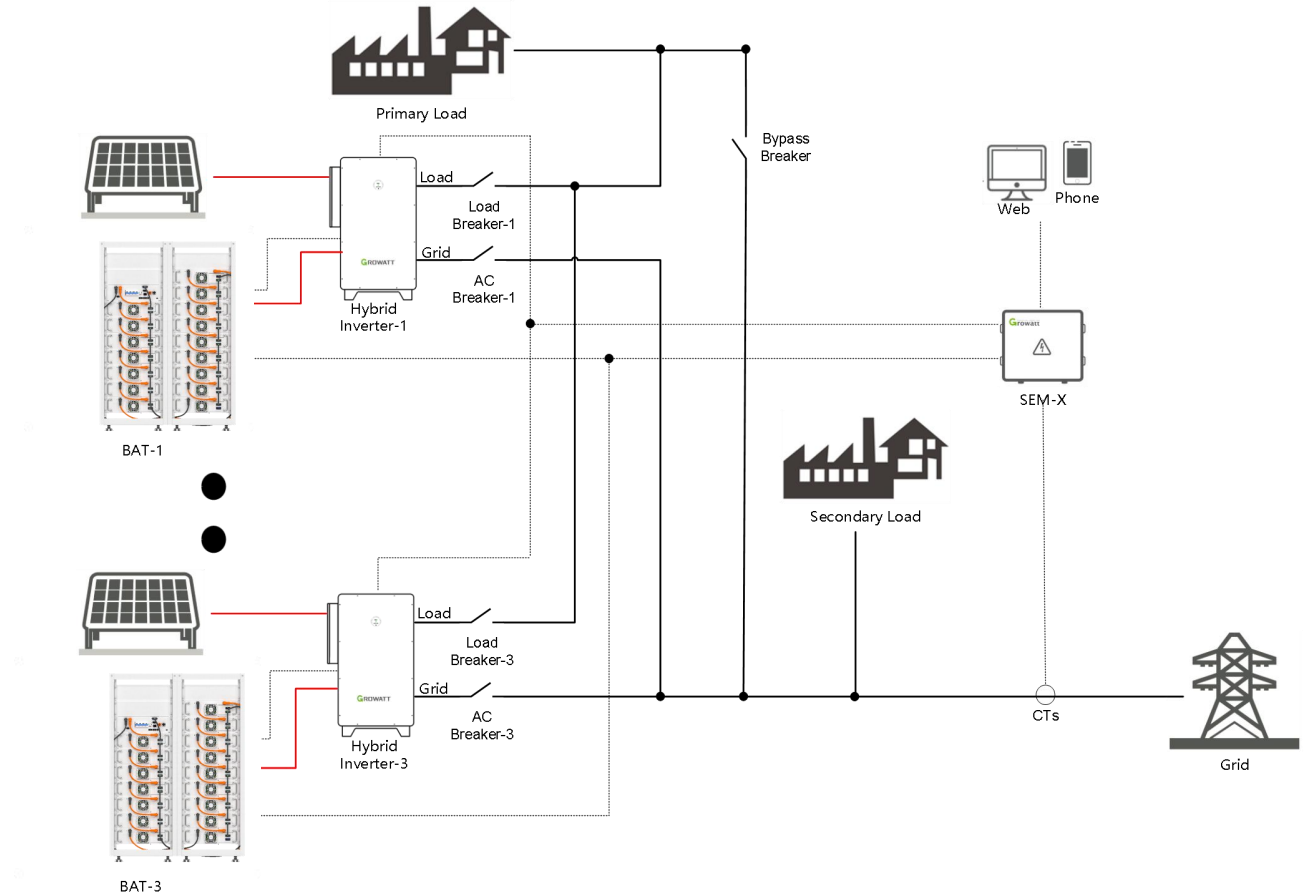
System Composition

- Inverter: WIT 50-100K-HU;
- BAT: AXE Series Battery System
- SEM-X-R
- 3CTs

Remark:

- Up to 3 inverters in parallel in off-grid mode
- Built-in meter in SEM-X-R

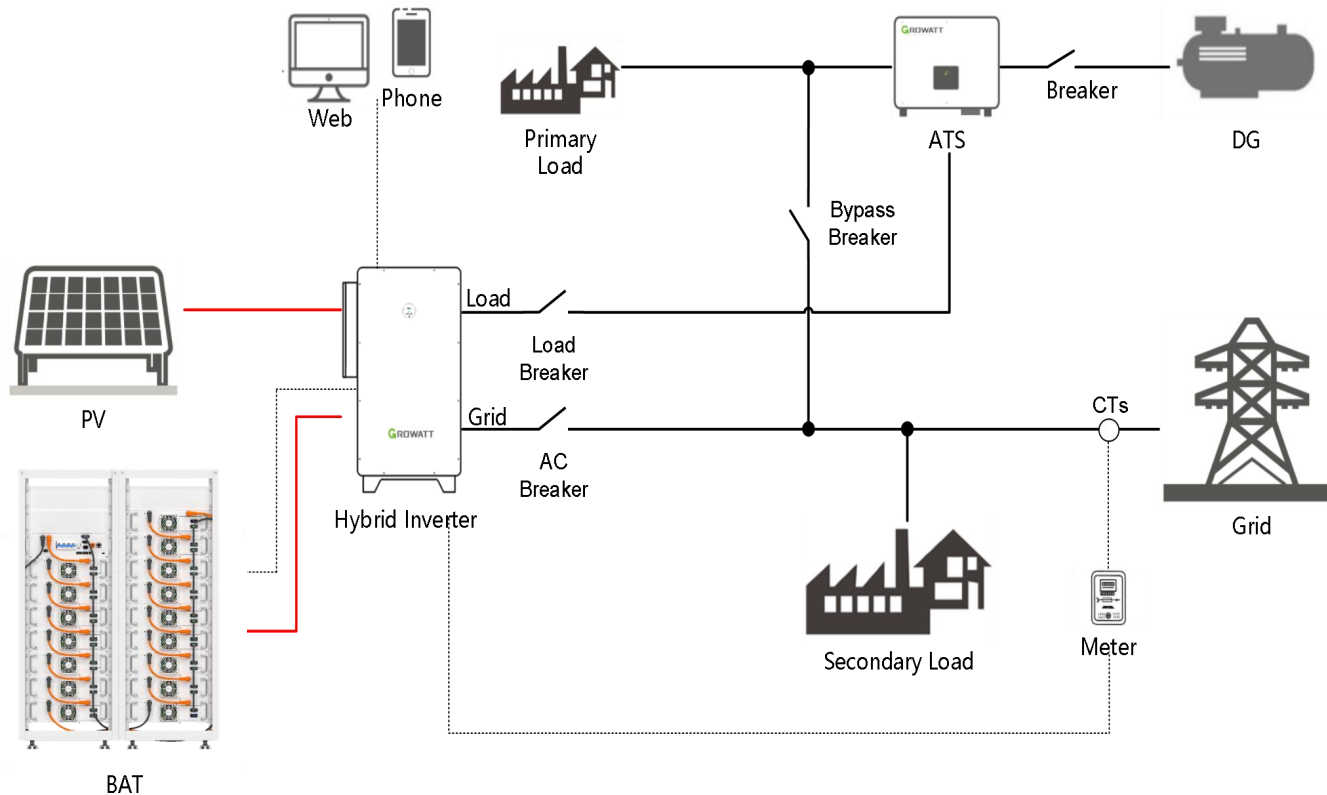
Hybrid ESS for On/Off-grid Solution Multiple system (without DG)



Application Scenario:

1. Poor grid, frequent power outage, with diesel generator
2. Available for solar installation
3. Need backup for crucial loads and load power less than 300kW

Hybrid ESS for On/Off-grid Solution with DG



System Composition

- Inverter: WIT 50-100K-HU;
- BAT: AXE Series Battery System
- ATS
- SEM-X-R+3CT s(multiple system)

Remark:

- Up to 3 inverters for off-grid parallel operation
- Built-in meter in SEM-X-R

2. *Newly built solar system and ESS, very large PV power, far away between solar system and ESS*

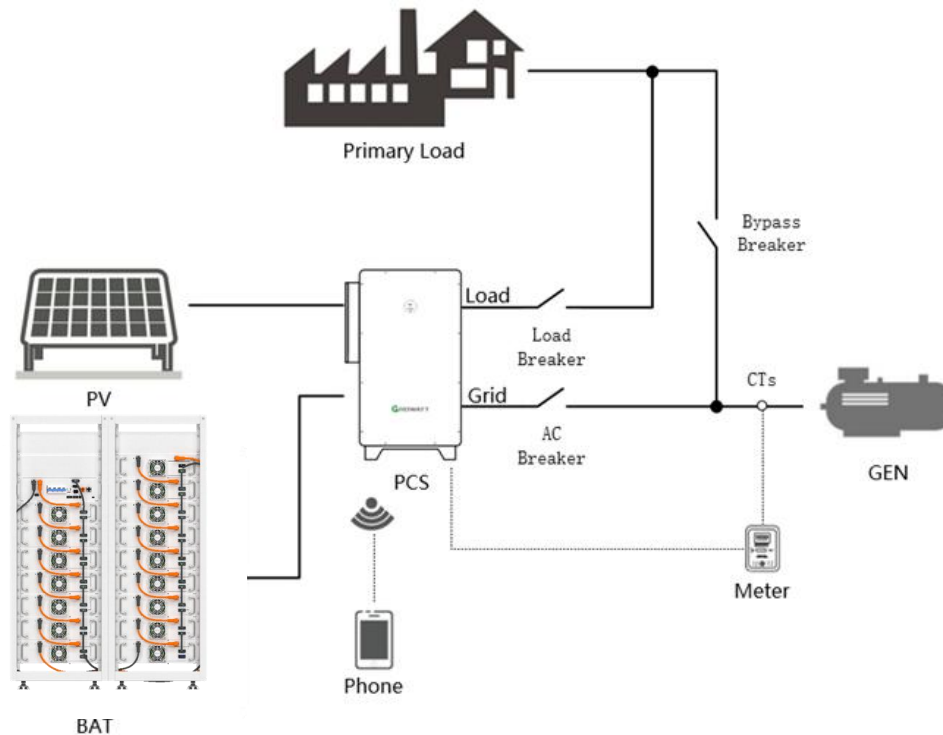
- **Inverter:** WIT 50-100K-HU; WIT 28-55K-HU-US
L2
- **BAT:** AXE Series Battery System
- **SEM-X-R+3CT**
- **PV inverter:** MAX/MID series

- Preferred Growatt MAX/MID series PV inverter
- The total number of WIT and PV inverter is less than 6 in parallel operation

Application Scenario:

1. No grid, with diesel generator
2. Available for solar installation
3. Need backup for crucial loads

Hybrid ESS for Off-grid Solution (With DG)



System Composition

- Inverter: WIT 50-100K-HU; WIT 28-55K-HU-US L2
- BAT: AXE Series Battery System
- Meter + 3CTs (For single system)
- **or** SEM-XA-R + 3CTs (For parallel system)

Remark:

1. Up to 3 inverters in parallel in off-grid mode
2. Meters and CTs are required to achieve export limitation to the DG
3. The DG power should not be less than the critical load power
4. For parallel system, suggest that the total load power should not exceed 80% of the total inverter power

Part 3

Project Case





Myanmar

- Project Location: Myanmar
- Project Size: 50kW/180kWh
- Project Configuration: WIT 50K-XHU + third-party battery system
- Application: Self-consumption, backup



Nigeria

- Project Location: Nigeria
- Project Size: 100kW/209kWh
- Project Configuration: WIT 100K-HU + ACE 209H-2H
- Application: Self-consumption, backup

- Project Location: Malaysia
- Project Size: 100kW/200kWh
- Project Configuration: WIT 100K-HU+APX 200.7H-S1
- Installation: Indoor
- Application: Self-consumption



- Project Location: Nigeria
- Project Size: 100kW418kWh
- Project Configuration: 2 pcs WIT 50K-HU+ 2 sets of ACE 209H-2H
- Installation: Indoors
- Application: Self-consumption, Micro grid

Project Case

- Project Location: USA
- Project Size: 60 set WIT + 24MWh Lead-carbon battery
- Project Configuration: WIT 100K-H/WIT 63K-H
- Installation: Indoor
- Application: Self-consumption, backup power



Czech



- Project Location: Czech
- Project Size: 100kW200kWh
- Project Configuration: WIT 100K-HU+APX 200H-S1
- Installation: Indoor
- Application: Self-consumption, peak shaving

- Project Location: Germany
- Project Size: 100kW129kWh
- Project Configuration: WIT 100K-HU+APX 129H-S1
- Installation: Indoor
- Application: Self-consumption

Germany



Project Case

- Project Location: Portugal
- Project Size: 100kW200kWh
- Project Configuration: WIT 100K-HU+APX 200H-S1
- Installation: Outdoor
- Application: Self-consumption



- Project Location: Czech
- Project Size: 50kW71kWh
- Project Configuration: WIT 50K-HU+APX 71.6P-S1
- Installation: Indoor
- Application: Self-consumption, peak shaving

Ukraine



- Project Location: Ukraine
- Project Size: 100kW200kWh
- Project Configuration: WIT 100K-HU+APX 200.7H-S1
- Installation: Indoors
- Application: Self-Consumption, Back-Up

- Project Location: Germany
- Project Size: 50kW71kWh
- Project Configuration: WIT 50K-HU+APX 71.6P-S1
- Installation: Indoors
- Application: Self-Consumption

Germany



Project Case

- Project Location: USA CA
- Project Size: 35kW86kWh
- Project Configuration: WIT 35K-HU-US+APX 86.0H-S1-US
- Installation: Indoor/Outdoor
- Application: Self-consumption



- Project Location: Costa Rica
- Project Size: 165kW200kWh
- Project Configuration: 3 pcs WIT 55K-HU+ 2 set APX 100H-S1
- Installation: Outdoor
- Application: Self-consumption



Sierra Leone

- Project Location: Sierra Leone
- Project Size: 200kW400kWh
- Project Configuration: 2*WIT 100K-HU-US + 2*APX 200.7H-S1
- Installation: Indoor
- Application: Self-consumption, back-up



Caribbean Sea

- Project Location: Caribbean Sea
- Project Size: 55kW100kWh
- Project Configuration: WIT 55K-HU-US L2+APX 100.3H-S1-US
- Installation: Indoor
- Application: Self-consumption, grid service, micro grid

- Project Location: South Africa
- Project Size: 100kW/200kWh
- Project Configuration: WIT 100K-HU+APX 200.7H-S1
- Installation: Indoor
- Application: Self-consumption



Nigeria



- Project Location: Nigeria
- Project Size: 100kW+Lead-acid battery
- Project Configuration: 1 pcs WIT 100K-HU + Lead-acid battery
- Installation: Indoors
- Application: Self-consumption, Micro grid

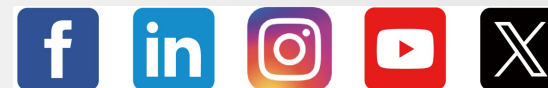
Thanks!

www.en.growatt.com



Copyright© SHENZHEN GROWATT NEW ENERGY CO.,LTD

All Rights Reserved. The information contained in this document is only for reference purpose and subject to change by company officials.



Growatt New Energy