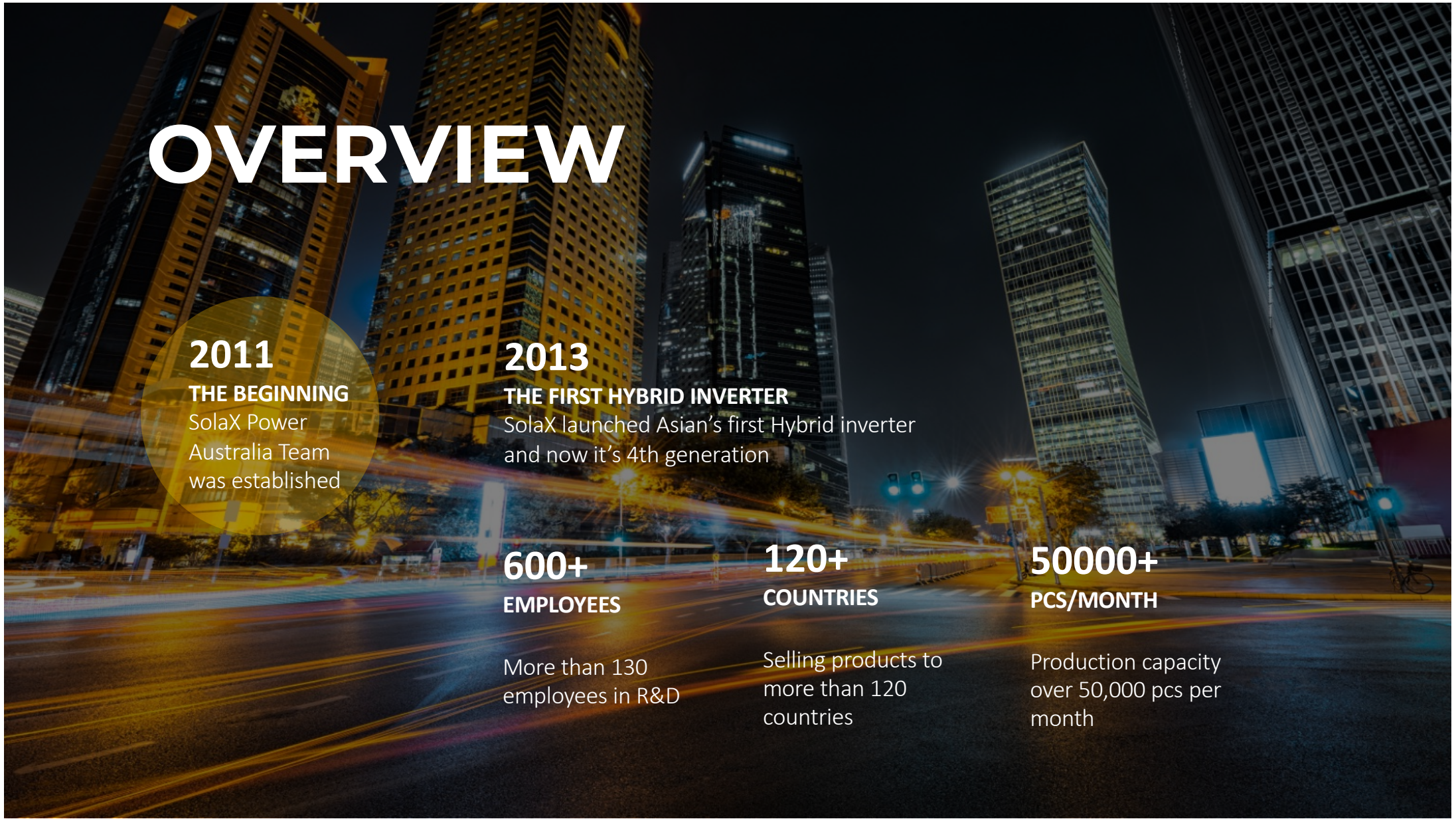
SOLAX POWER

11 YEARS
2011 - 2022

SOLAX POWER

POWERING A GREEN FUTURE


OVERVIEW
2011
THE BEGINNING
SolaX Power Australia Team was established
2013
THE FIRST HYBRID INVERTER
SolaX launched Asian's first Hybrid inverter and now it's 4th generation
600+
EMPLOYEES
More than 130 employees in R&D
120+
COUNTRIES
Selling products to more than 120 countries
50000+
PCS/MONTH
Production capacity over 50,000 pcs per month


MILESTONE
2022
Released EV Chargers
2021
Released utility scale inverter-X3
Forth 80-158kW
2020
Released X1-ESS G4
Released J1ESS for Japan Market
2019
New subsidiary in Germany
Released A1-ESS for North America
2018
New Triple Power HV battery
2017
Global release of AC energy storage solution
2016
New subsidiary in the Netherlands
X-Hybrid inverter released the third generation
2015
Europe’s first 3-phase hybrid HV inverter
2014
New subsidiary in Australia
2013
Asia's first energy storage inverter
New subsidiary in the UK
2012
First inverter delivered

中国三峡
China Three Gorges Corporation

Type: State-owned enterprise
Founded: 27 September 1993
Number of employees: 18,121 (2013)

Revenue: CN¥63.0 billion (2014)
Net income: CN¥26.0 billion (2014)
Total assets: CN¥280.98 billion

China’s one of the five largest state-owned electricity producers

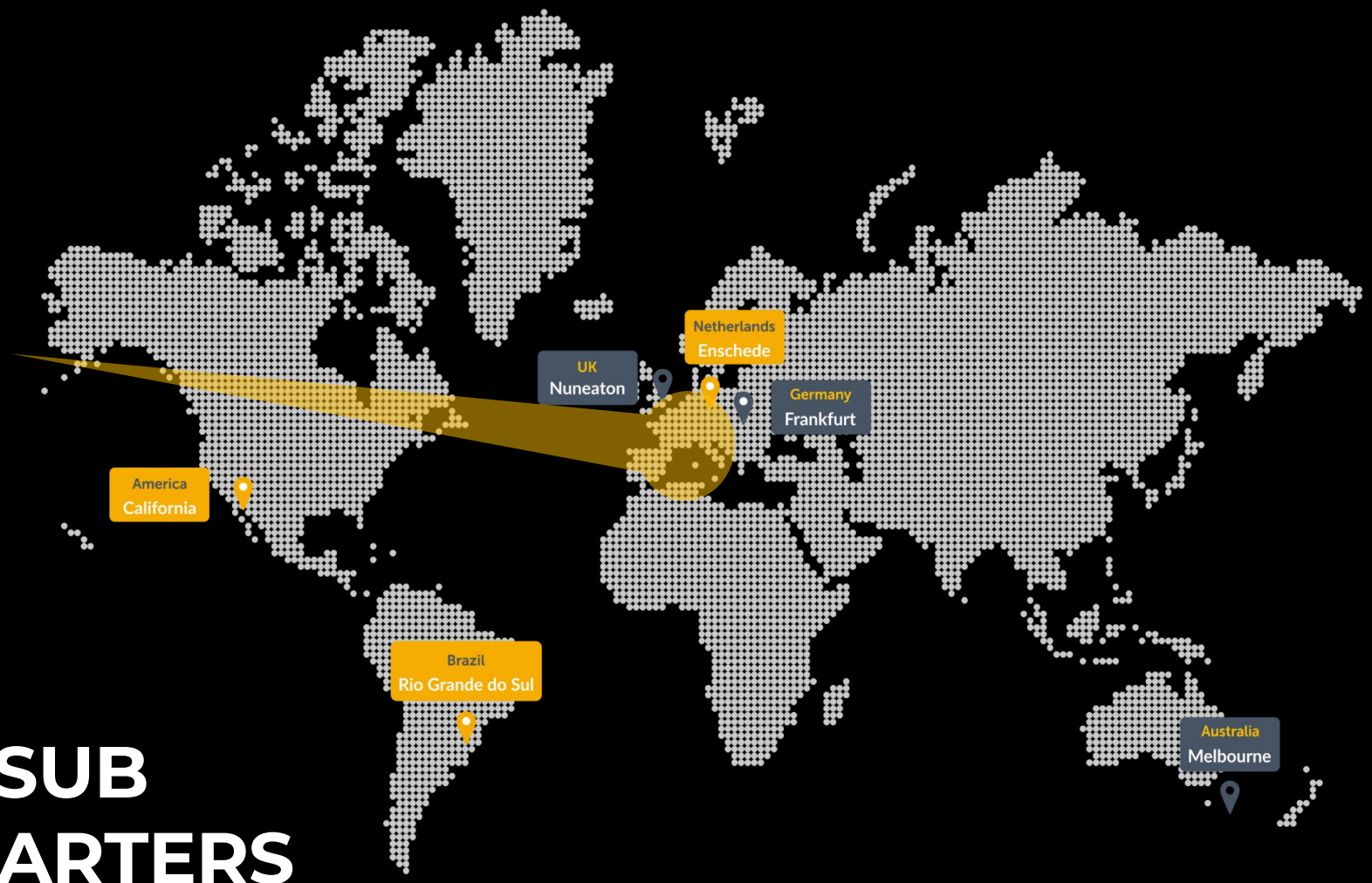
中国电力投资集团公司
CHINA POWER INVESTMENT CORPORATION

One of the five major power & electricity company in China

Total assets of USD 157 billion in 2018---Data from fortune.com

FACTORY

100,000 sqm and expanding , China (Tonglu, Hangzhou)



GLOBAL SUB HEADQUARTERS

Sales & Support / Local Service Engineer / Repair Center & Warehouse / 24/7 Service Call Centre

AUSTRALIAN LOCAL SUPPORT

Training Support

A dedicated technical experts provide professional trainings to

- Our Customers
- SolaX Power's Service staff
- Australian Service Providers

Webinar online training

On-Site traning

After Sales Service Support

Hotline Support

- Assistance and technical support via phone or Email

Local Technical Support

- Local support engineers (VIC, NSW, QLD, SA)

Warranty

- 10 Years Standard Warranty
- 12 Years Full Warranty for 1Ph string inverters

On-Site Service

Repair, and Maintenance

- On-Site service through SolaX Aus Team
- Latest technical equipment and tools
- Short responding time, within 24h nationwide, and high flexibility
- Service and maintenance contracts available

GRID TIED INVERTER

X1 SERIS(Single Phase)

X1 Mini
1.5-3.6kW

X1 Boost
3.0-6.0 kW

X1 Smart
6.0-8.0 kW

X3 SERIES(Three Phase)

X3 Mic G2
3-5kW

X3 Pro G2
8-30kW

X3 Mega G2(Coming soon)
40/50/60kW

X3 FORTH(coming soon)
80-150kW

ENERGY STORAGE INVERTER HYBRID & AC COUPLED

X1-HYBRID G4
3.0-7.5kW

X3-HYBRID G4
5-15kW

X1- FIT G4
3.0-7.5 kW

X3-FIT G4
6.0-15.0 kW

TRIPLE POWER BATTERY

High Voltage Lithium Battery

T-BAT H5.8

T-BAT SYS HV-3.0

SOLAX POWER

ALL-IN-ONE

ESS G4

reddot winner 2021

X1/3 Hybrid G4
inverter

Matebox

Triple Power Battery
3kWh *2 pcs

X-ESS G4 FEATURES

- 16A DC input current per MPPT, suitable for big power solar panels
- Support 150% oversized PV power, 110% AC output
  Excess energy to battery
- Parallel Connection for both on grid/off grid mode
  Single phase 2pcs, three phase 10pcs at max
- Built-in Shadow Tracking function
- Intelligent load management(heat pump, EV Charger)
- VPP function supported
- Internal UPS function, less than 10ms switch over when power blackout occurs

SCOPE OF VALIDITY

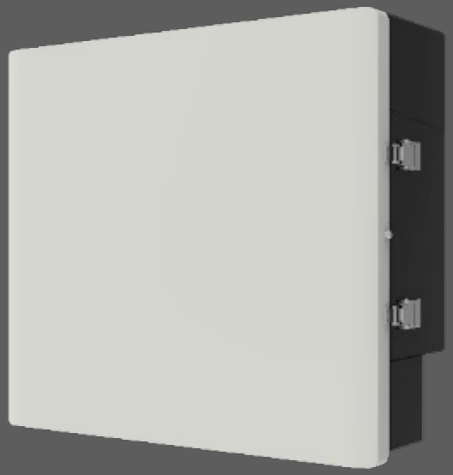
X1-Hybrid-3.0-D/M
X1-Hybrid-3.7-D/M
X1-Hybrid-5.0-D/M
X1-Hybrid-6.0-D/M
X1-Hybrid-7.5-D/M

X3-Hybrid-5.0-D/M
X3-Hybrid-6.0-D/M
X3-Hybrid-8.0-D/M
X3-Hybrid-10.0-D/M
X3-Hybrid-15.0-D/M

“M” means With Mate Box, DC switch is assembled on the mate box instead of inverter
“D” means with build-in DC switch

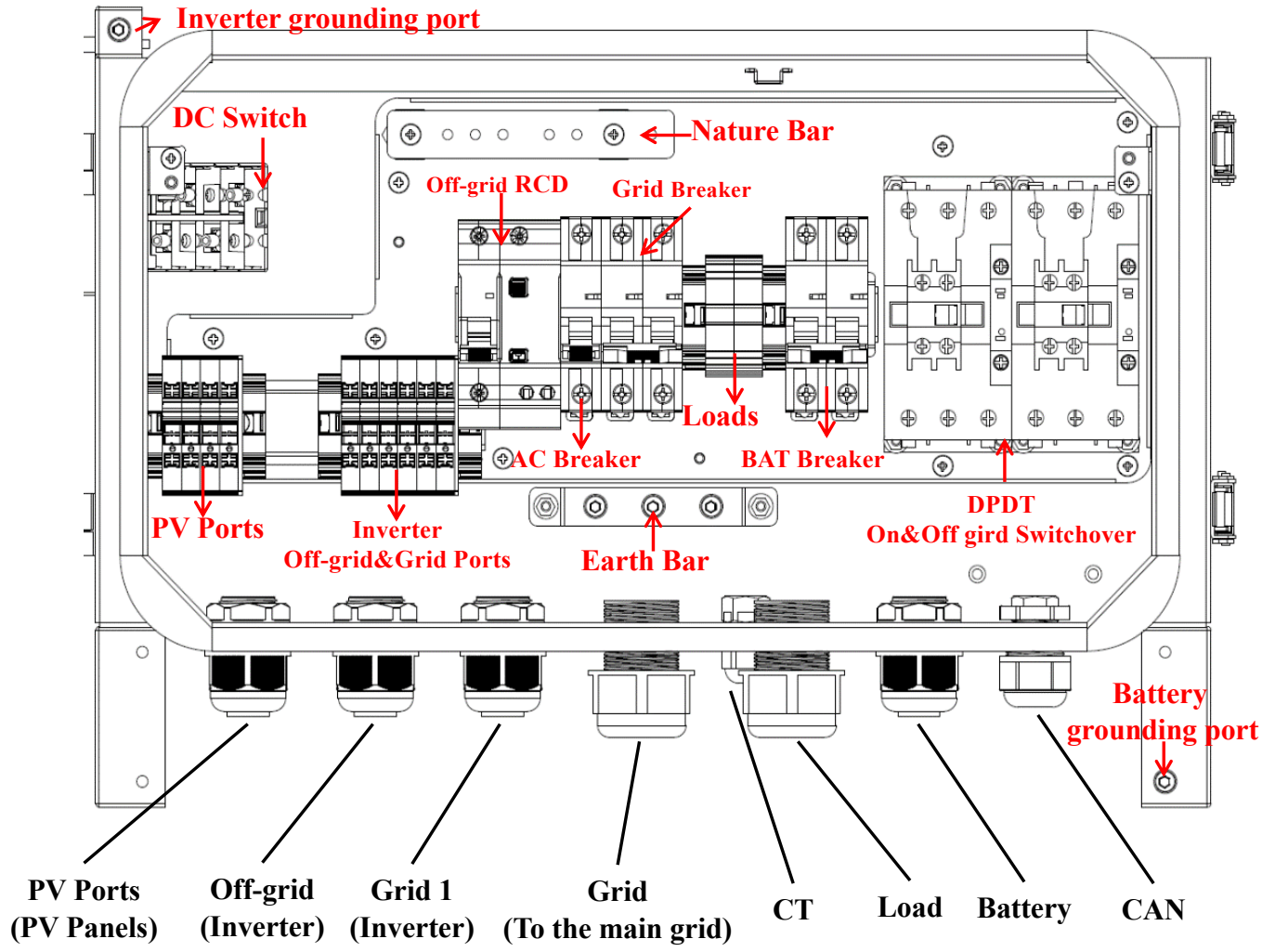
If Mate Box is selected, the corresponding inverter version is “–M”

MATEBOX



Pre-Wired DESIGN

Optional mate box has the necessary accessories including CT, meter(optional), circuit breaker, relay, EPS box assembled and prewired, so as to bring convenience to the installation and fast installation.


Inverter grounding port
DC Switch
Nature Bar
Off-grid RCD
Grid Breaker
Loads
AC Breaker
BAT Breaker
PV Ports
Inverter
Off-grid&Grid Ports
Earth Bar
DPDT
On&Off gird Switchover
Battery
grounding port
PV Ports
(PV Panels)
Off-grid
(Inverter)
Grid 1
(Inverter)
Grid
(To the main grid)
CT
Load
Battery
CAN

	T-BAT-5.8
Appearance	 
Dimensions	Battery Module & Build In BMS： 474mm(L)* 193mm(W)*708mm(H) Battery Module：474mm(L)* 193mm(W)*647mm(H)
Weight	Battery Module & Build In BMS：72.2kg Battery Module：68.5kg
Capacity	5.8KWh
Nominal voltage	115.2V
Cycle life	6000
Nominal/Max. power	2.9kW/4.0kW
Operating Temperature	0~55℃
IP protection	IP55

BATTERY T-BAT-5.8

TRIPLE POWER T58 BATTERY Features

- **Function:**
- Over 6000 cycles
- Support remote upgrade
- Support CAN and RS485 communication

- **Mechanical:**
- IP55 rating：for both indoor and outdoor use
- Vibration resistant
- Built-in dual switch: button and breaker
- Easy installation: BMS integrated in the battery to save installation time, fast plug & play
- Flexible mounting(floor & wall)

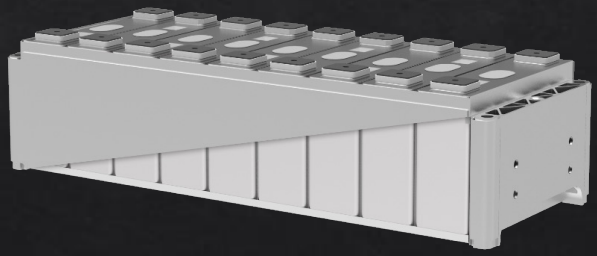
T58 Master & Slave

TRIPLE POWER T58 BATTERY Features

- **Electrical:**
- **Overvoltage/ Under voltage protection**
- **Overcurrent/ external short circuit protection**
- **Insulation resistance and electrical strength inpsection**
- **Over temperature / low temperature protection**
- **Smart charging & discharging control, SOC prediction**

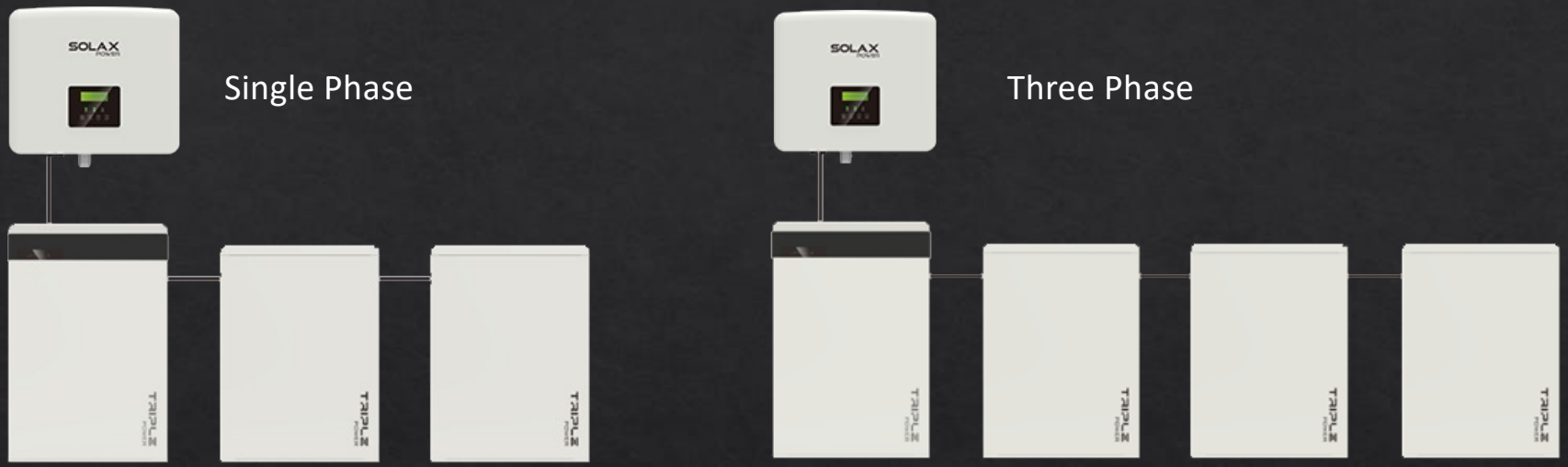
- **Chemical:**
- **Material flame retardant level**
- **LiFePO4battery, safe and longer life span**
- **No toxic materials**

ALUMINUM SHELL BATTERY CELL
with Explosion-proof safety valve applied



There is space between the cells in the module, so the expansion of a single cell does NOT affect other batteries.

TRIPLE POWER T58 BATTERY Features

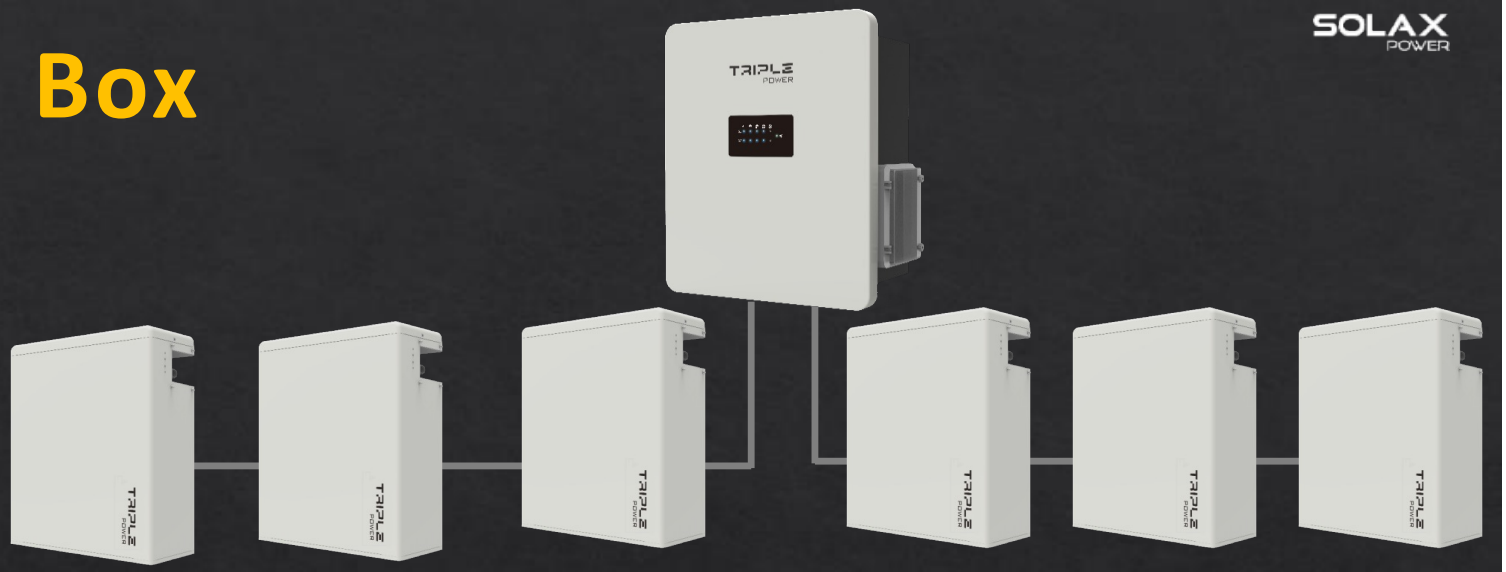


Easy installation, plug & play

Single phase hybrid inverter can carry 1-3pcs of T58 battery(among which 1pc of T58 master), with 5.8KWh-17.4KWh capacity

Three phase hybrid inverter can carry 2-4pcs of T58 battery(among which 1pc of T58 master), with 11.6KWh-23.2KWh capacity

Parallel BMS Box



- Convenient for capacity enlarge;
- Increase the capacity of ESS;
- Extend the working hours of ESS;
- X1H can connect up to **6pcs of T58** slave with 34.8KWh capacity;
- X3H can connect up to **8pcs of T58** slave with 46.4KWh capacity

Triple Power 3.0 Battery

Features

- Safest $LiFePO_4$Battery (30Ah)
- Working Temperature Range:-30~50℃
- Smart Temperature Balancing
- Cycle Life > 6000 Times
- IP 65 Protection Level
- Less Self Consumption
- Quick Installation
- No Toxic Heavy Metals or Caustic Materials
- 1 hour fast fully charging

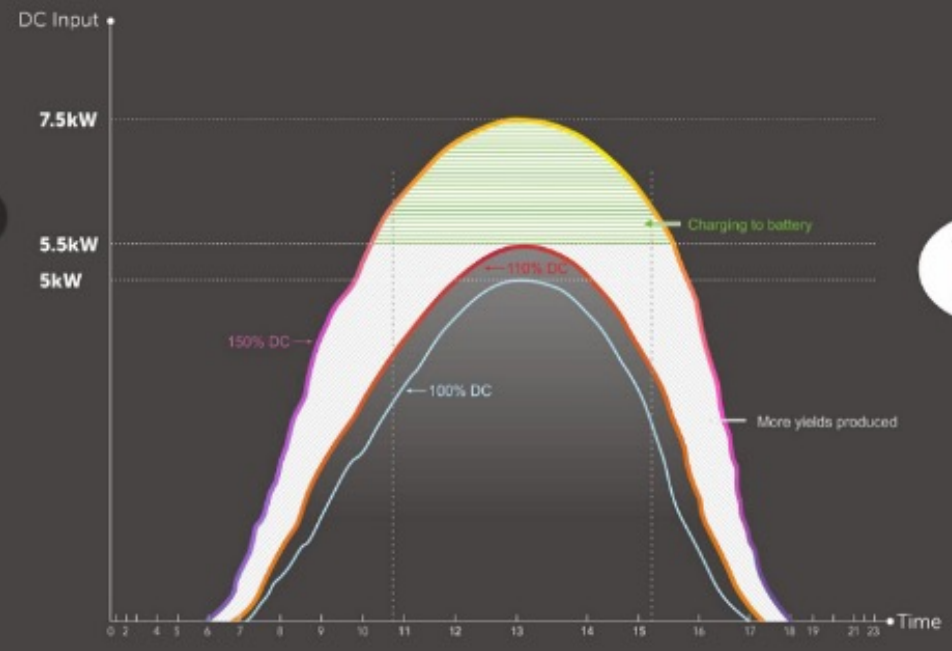
ALL-IN-ONE DESIGN

- Quick Installation, Mate Box pre-wired all breakers and switches, The heaviest part weights less than 30kg, a battery system usually takes one person 30 mins in total(excl. panels)
- High charging and discharging current 30A,usually can fully charge a battery in 1hr.
- Massive oversizing panels, up to 560%, as long as voltage and current are both within nominated limit.

SOLAX POWER

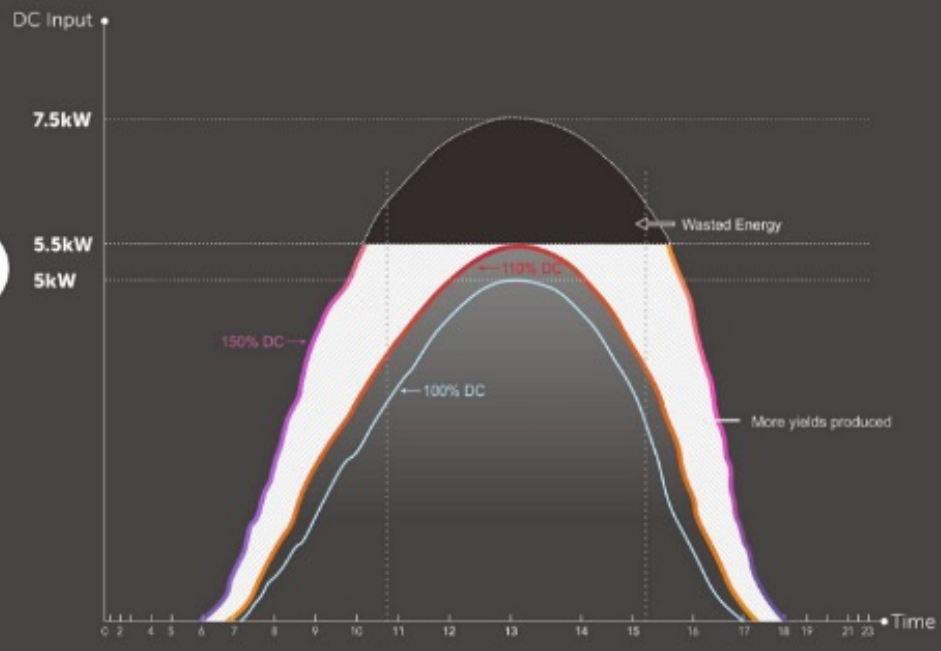
More Solar Energy **Lower** Electric Bill

Oversized SolaX inverter with a higher DC/AC ratio (1.5:1) will produce more energy and higher yields during the day for use.



X1-Hybrid G4 5kW as example

VS



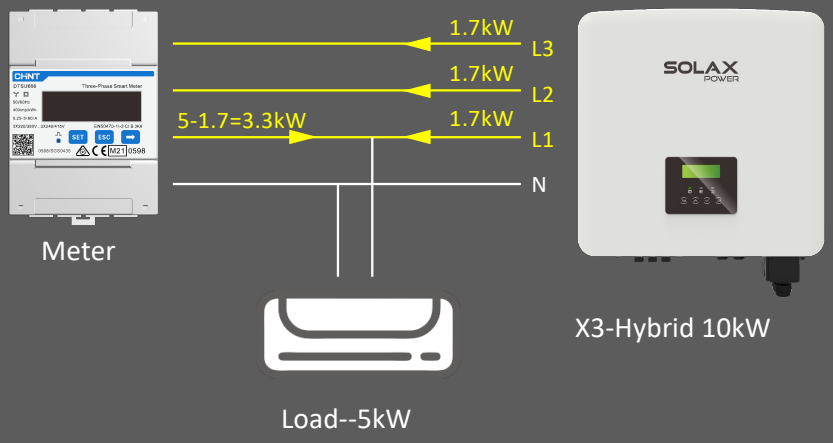
* Normal 5kW hybrid inverter as example

POWERFUL PERFORMANCE

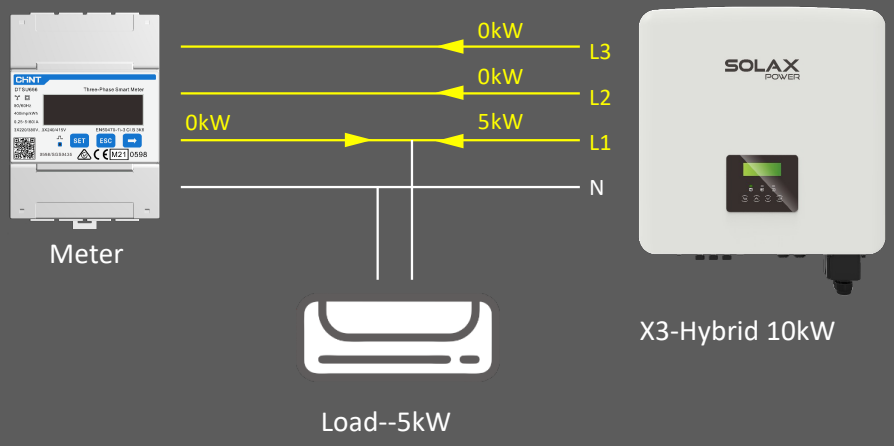
- IP65 protection can be used both in & outdoor.
- The inverter has passed HALT testing, which truly simulates the extreme use environment: High temperature, humidity and salt spray environments still work normally.
- The inverter and Mate Box can both work in extreme temperature conditions from -35 to 60 ℃
- 100% Off Grid and 100% output under off grid mode
- **Support heat pump (additional adapter needed)**
- **Support diesel generators (additional ATS needed)**
- **Unbalanced output (3Ph Systems)**

Three phase unbalanced function

Disable unbalanced



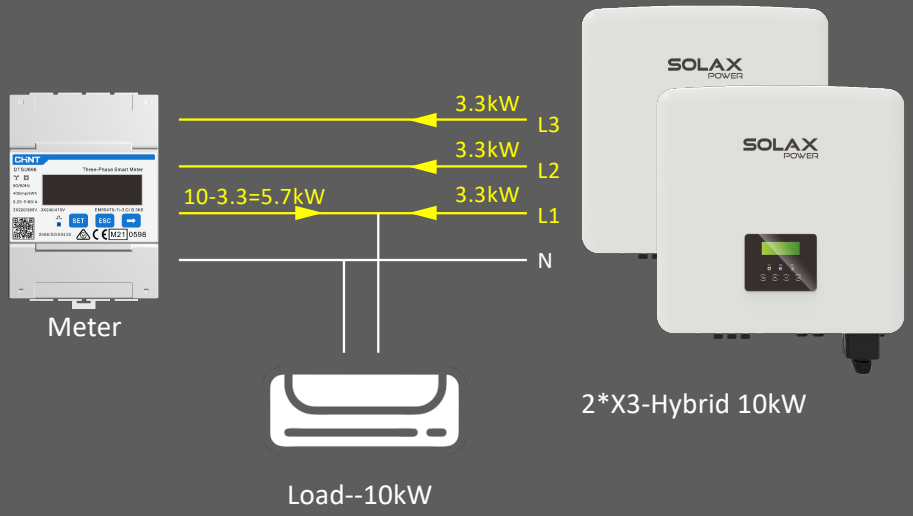
Enable unbalanced



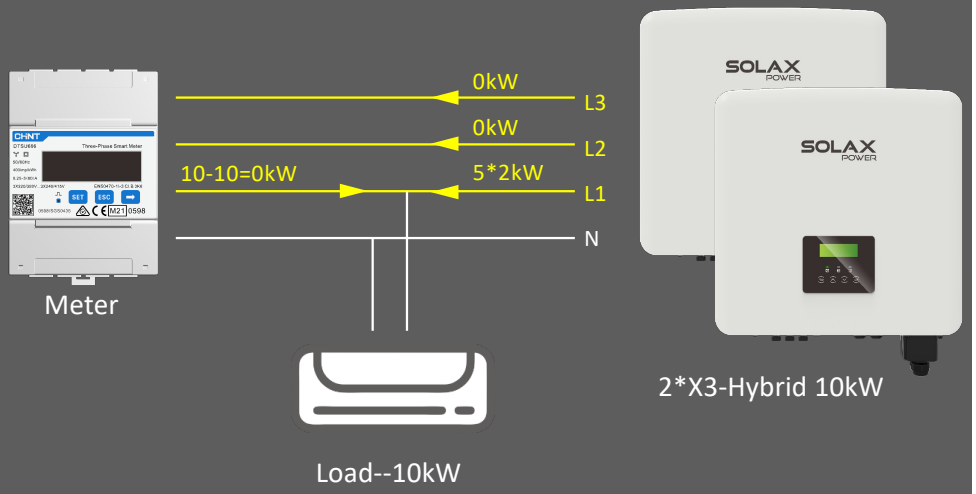
- **Household load less than 5kW, no need to buy electricity from the grid**
- **The discharge capacity of different X3H inverters mainly depends on the model of the inverter . In terms of a 10KW inverter , its single-phase max discharge capacity is 5kW**

Three phase unbalanced function (Parallel)

Disable unbalanced



Enable unbalanced



WORK MODE

Solax Hybrid

Work status

- Normal
- Waiting
- Checking
- System Off
- Standby
- Idle
- Fault
- Off-grid waiting
- Off-grid
- Normal（R）

→ Work mode

- Self Use Mode
- Feed-in Priority Mode
- Force Time Mode
- Backup Mode
- EPS Mode

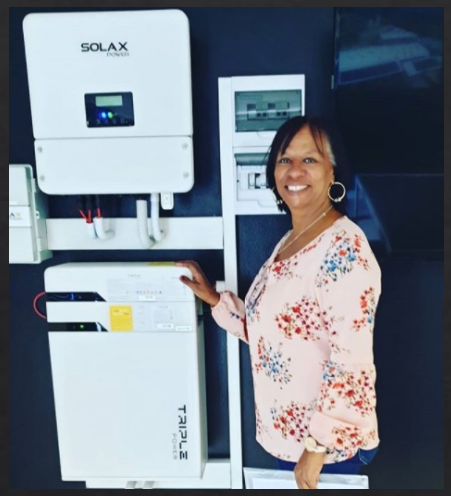
RESIDENTIAL SOLAR SYSTEM PROJECT








RESIDENTIAL SOLAR SYSTEM PROJECT








RESIDENTIAL SOLAR SYSTEM PROJECT

NEW

WiFi Dongle 3.0

Features

- Quick installation with "Plug & Play" function
- IP 65 dust prevention water proofing designs
- Stable data transmission and good reliability
- Offline data storage and resuming
- Multiple antenna adaptations according to the situation

Smart

EV CHARGER

X1-EVC-7.2K / X3-EVC-11K / X3-EVC-22K

Feature:

· Charging cable with type 2 connector or socket outlet selectable

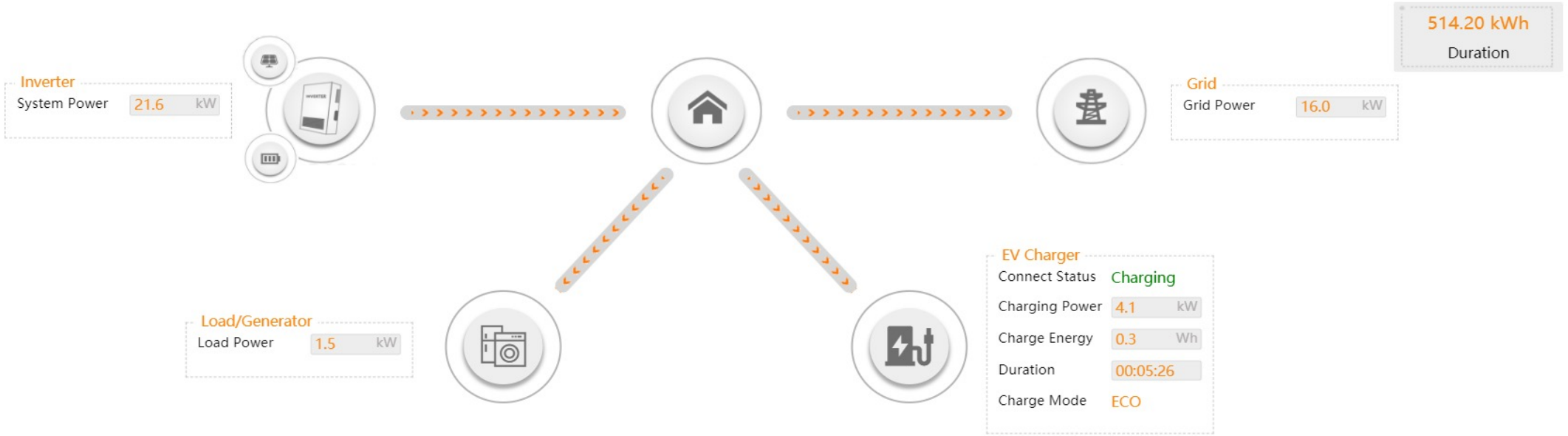
· Built-in 30mA type A RCD and 6mA DC protection

· PEN protection and no earth rod

· Multiple work modes to fit different situations

· Integrated with Solax eco system

Solax Cloud with EV Chargers

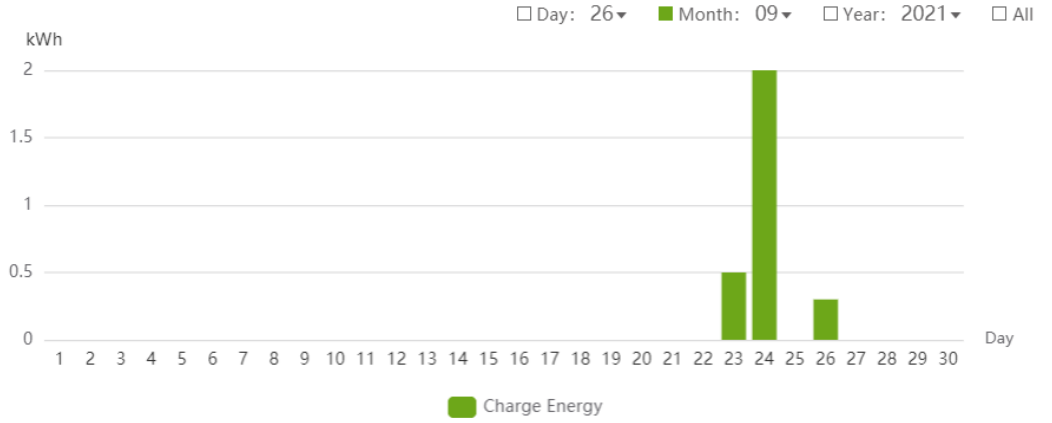


Charging Record

No.	Start Date	End Date	Duration	Charge Energy
1	2021-09-26 13:24:44	2021-09-26 13:34:15	0Hour 9Minute	0.3 kWh
2	2021-09-24 17:12:35	2021-09-24 17:31:38	0Hour 19Minute	0.3 kWh
3	2021-09-24 16:27:43	2021-09-24 17:12:05	0Hour 44Minute	0.8 kWh
4	2021-09-24 16:17:04	2021-09-24 16:26:46	0Hour 9Minute	0.1 kWh
5	2021-09-24 15:40:03	2021-09-24 15:52:45	0Hour 12Minute	0.2 kWh

More

Energy Diagram



Recall LG Battery

ELECTRICAL SAFETY RECALL

SolaX Power Aus Pty Ltd
LG S/A Gen2 ESS Batteries

The affected LG batteries were supplied either separately or installed in residential solar energy storage systems SolaX's X-cabinet, PowerStation and Opal Storage.

LG S/A Gen 2 ESS Batteries

S/A Gen2 1P
(EM048063P3S4)

S/A Gen2 2P
(EM048126P3S7)

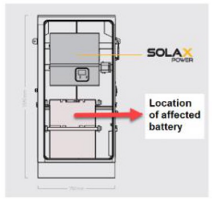
SolaX X-Cabinet

SolaX Power Station

Location of
affected battery

Battery Label

Opal Storage



The affected LG batteries were supplied by SolaX Power Aus Pty Ltd and its distributors MS Corporation Pty Ltd, Solar Juice Pty Ltd and Supply Partners Pty Ltd between April 2017 and July 2018.

Don't hesitate to contact Solax Service or LG Chem if you find any of those LG batteries, we will help to double check if the SN is within recall range. If yes, we will replace with new LG batteries free of charge.

THANK YOU

www.solaxpower.com.au support@solaxpower.com.au 1300 4SOLAX

FB Group: SolaX Premium Installer - AUS/NZ

SolaX Power Australia

SolaX Power

SolaX Power

SolaX Power

SOLAX Roadshow Agenda

Part 1

- Company Background and Support Team
- Product Range
- Product Features
- LG Battery Recalls

Break for 15-20 Mins

Part 2

- Certification Process and New Product Functions
- Installation Details
- Intelligent System Solutions
- System Trouble-shooting Top 10

SolaX Power

Simple. Reliable. Efficient
Residential Solar Inverter and Energy Storage Professional

System Installation
And
Intelligent Load Management Solution

SOLAX POWER | TRIPLE POWER

CONTENTS

presentation agenda

1. Inverter Cetification And New Product Features
2. Inverter Installation And Variations
3. Intelligent Load Management Solutions
4. VPP and Monitoring Platform
5. Firmware Upgrade and Trouble Shooting

Part 1

Inverter Certification Status and New Features

2022 SOLAX CERTIFICATION STATUS

Certification in process

June

X1 Hybrid G4

- X1-Hybrid-3.0-D
- X1-Hybrid-3.7-D
- X1-Hybrid-5.0-D
- X1-Hybrid-6.0-D
- X1-Hybrid-7.5-D

Certification finished.

X1 MINI G3
String Inverter

- X1-1.5-S-D(L)
- X1-1.5-S-N(L)
- X1-2.0-S-D(L)
- X1-2.0-S-N(L)
- X1-2.5K-S-D(L)
- X1-2.5K-S-N(L)
- X1-3K-S-D(L)
- X1-3K-S-N(L)
- X1-3.3K-S-N (L)
- X1-3.6K-S-N (L)

X1 Boost G3
String Inverter

- X1-3.0-T-D(L)
- X1-3.0-T-N(L)
- X1-3.3-T-D(L)
- X1-3.6-T-D(L)
- X1-4.2-T-D(L)
- X1-5.0-T-D(L)
- X1-5.0-T-N(L)
- X1-6K-T-D(L)

X3 Mic G2
String Inverter

X3-MIC-3K-G2
X3-MIC-4K-G2
X3-MIC-5K-G2
X3-MIC-6K-G2
X3-MIC-8K-G2
X3-MIC-10K-G2
X3-MIC-12K-G2
X3-MIC-15K-G2

X3 Pro G2
String Inverter

X3-PRO-8K-G2
X3-PRO-10K-G2
X3-PRO-12K-G2
X3-PRO-15K-G2
X3-PRO-17K-G2
X3-PRO-20K-G2
X3-PRO-25K-G2
X3-PRO-30K-G2

X1 Fit/X1 Hybrid G3

X1-Fit-3.7I
X1-Fit-3.7E
X1-Fit-4.6I
X1-Fit-4.6E
X1-Fit-5.0I
X1-Fit-5.0E
X1-Hybrid-3.0-N-I
X1-Hybrid-3.7-N-I
X1-Hybrid-5.0-N-I
X1-Hybrid-5.0-N-E

X3 Hybrid G4

X3-Hybrid-5.0-D
X3-Hybrid-6.0-D
X3-Hybrid-8.0-D
X3-Hybrid-10.0-D
X3-Hybrid-12.0-D
X3-Hybrid-15.0-D

X1 SMART
String Inverter

- X1-6.0-T-N
- X1-7.0-T-N
- X1-8.0-T-N

X3-MIC G2

3.0kW/4.0kW/5.0kW/6.0kW
8.0kW/10.0kW/12.0kW/15.0kW

Features

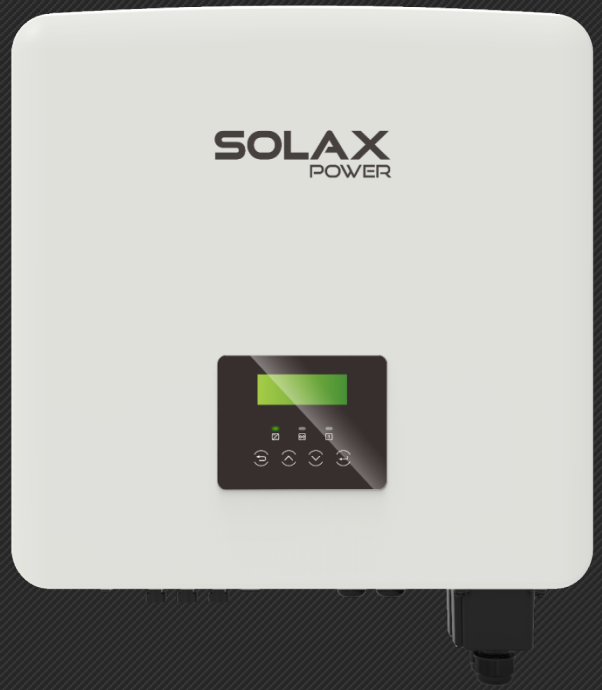
- **High-efficiency**
- Maximum efficiency is up to 98.3%
- Low startup voltage, ultra-wide MPPT voltage range
- 200% oversizing, 110% overloading output (Except 15kW model)
- **Built-in shadow tracking function**
- **Safe**
- **IP66 protection**
- Integrated SPD
- **Smart**
- Built-in export power control
- Remote setting and upgrading
- 24 hours operation monitoring
- **Intelligent load management - heat pump (Optional)**
  Multiple monitoring methods, Pocket Wi-Fi/LAN/4G (Optional)
- **Economic**
- Ultra-high power density
- Maximum 16A DC input current, support high power solar panel
- **Will be compatible with Datahub**

X3-PRO G2

8.0kW/10.0kW/12.0kW/15.0kW
17.0kW/20.0kW/25.0kW/30.0kW

Features

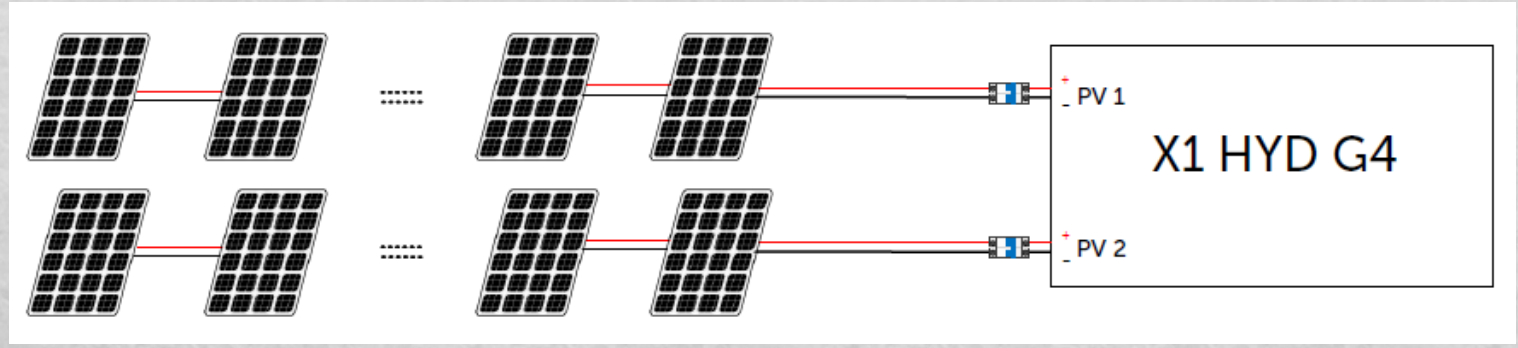
- **High-efficiency**
- Maximum efficiency is up to 98.5%
- Low startup voltage, ultrawide MPPT voltage range 150% oversizing, 110% overloading output
- **Built-in shadow tracking function**
- **Safe**
- SPD type II protection both AC&DC
- ARC protection (Optional)
- **IP66 protection**
- **Smart**
- Built-in export power control
- **Intelligent load management - heat pump (Optional)**
- 24 hours operation monitoring
- Multiple monitoring methods, Pocket WiFi/LAN/4G (Optional)
- **Economic**
- Ultra-high power density
- Maximum 16A DC input current, support high power solar panel
- Up to 3 MPPTs, 2 strings per MPPT
- **Will be compatible with datahub**



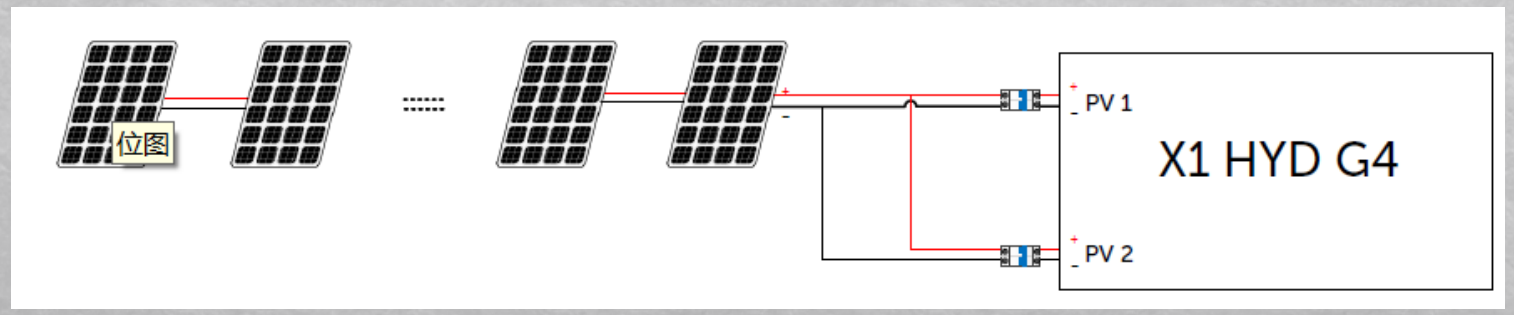
X1 Hybrid Inverter G4

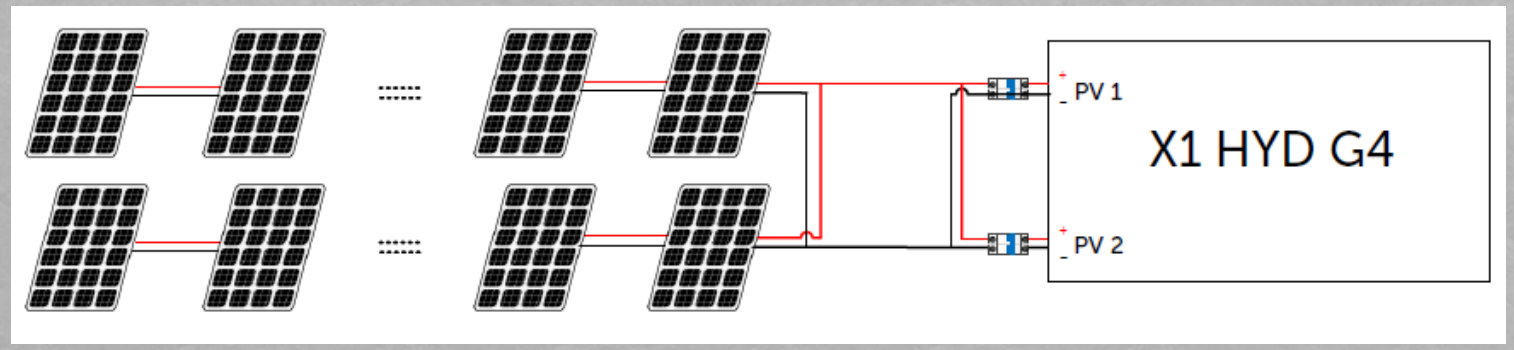
- On & Off-grid parallel function, up to 15kW
- Two inverters parallel without Eps parallel box
- EV charger compatible
- CT compatible, loads respond within 0.3s
- Intelligent loads management(e.g., Heat pump)
- VPP ready, ancillary service in power market
- 5 work modes, 2 charging periods available

Method 1: Multi



Method 2: Comm





PV Connection Methods

The X1-Hybrid G4 inverter supports two PV panel connection modes: Multi and Comm

Methods can be selected on the inverter.

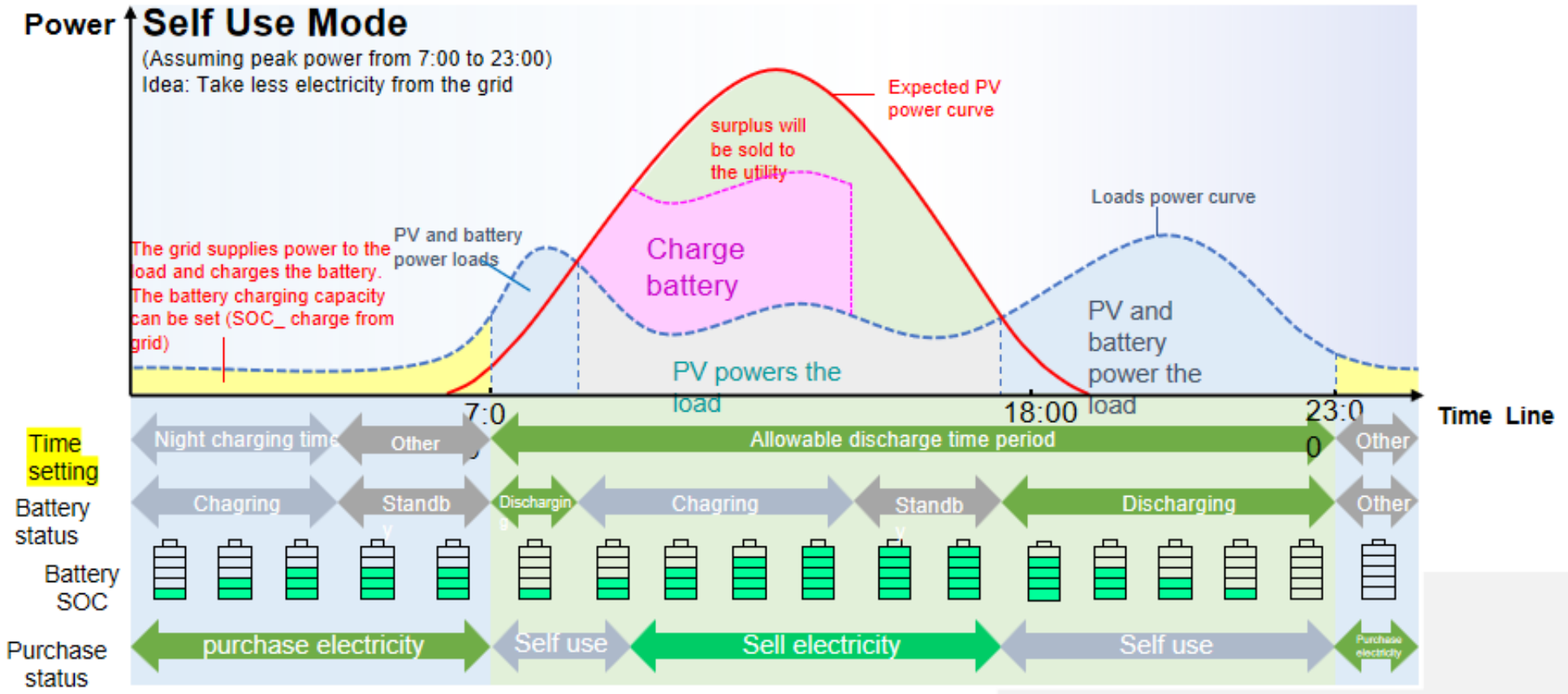
Note

The number of panels, panel facing, tilt angle of panels, the model number and electrical characteristics must be the same for Comm connection method.

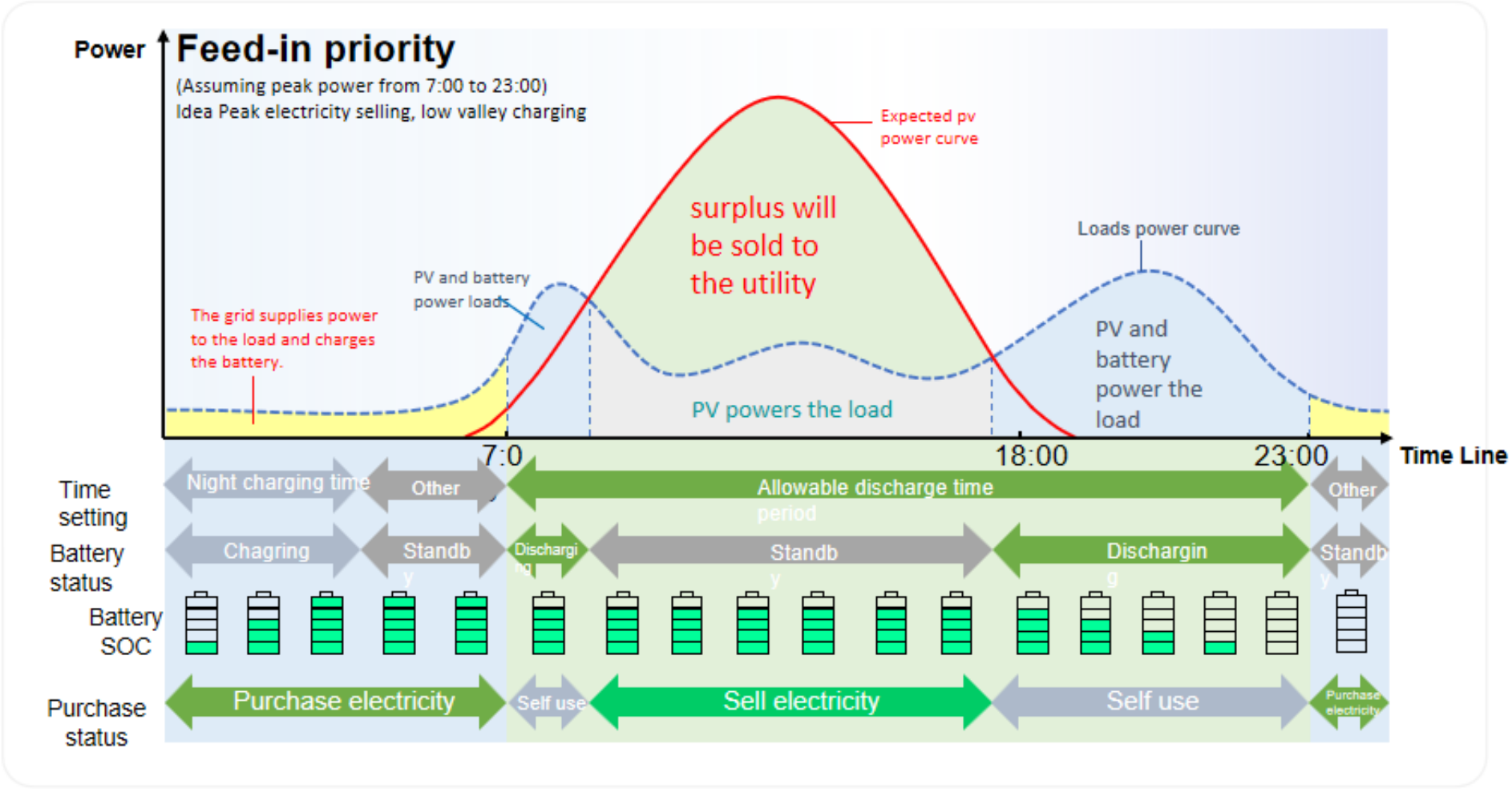
X3 Hybrid Inverter G4

- On & Off-grid parallel function, up to 150kW
- Three inverters parallel without Eps parallel box
- EV charger compatible
- CT compatible, loads respond within 0.3s
- Three-phase unbalanced output 50% nominal output power on single phase at most
- VPP ready, ancillary service in power market
- 5 work modes, 2 charging periods available

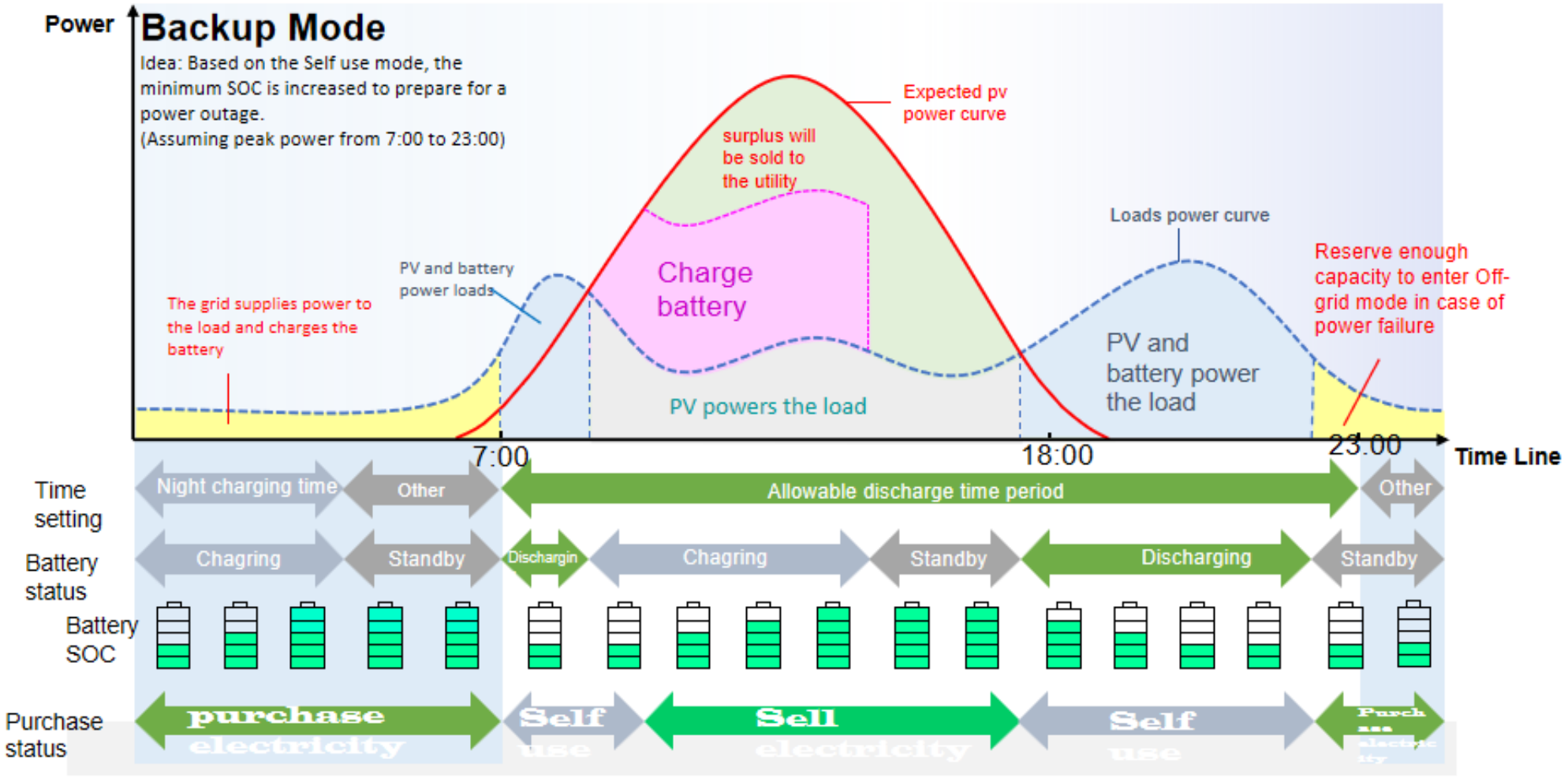
SELF USE MODE



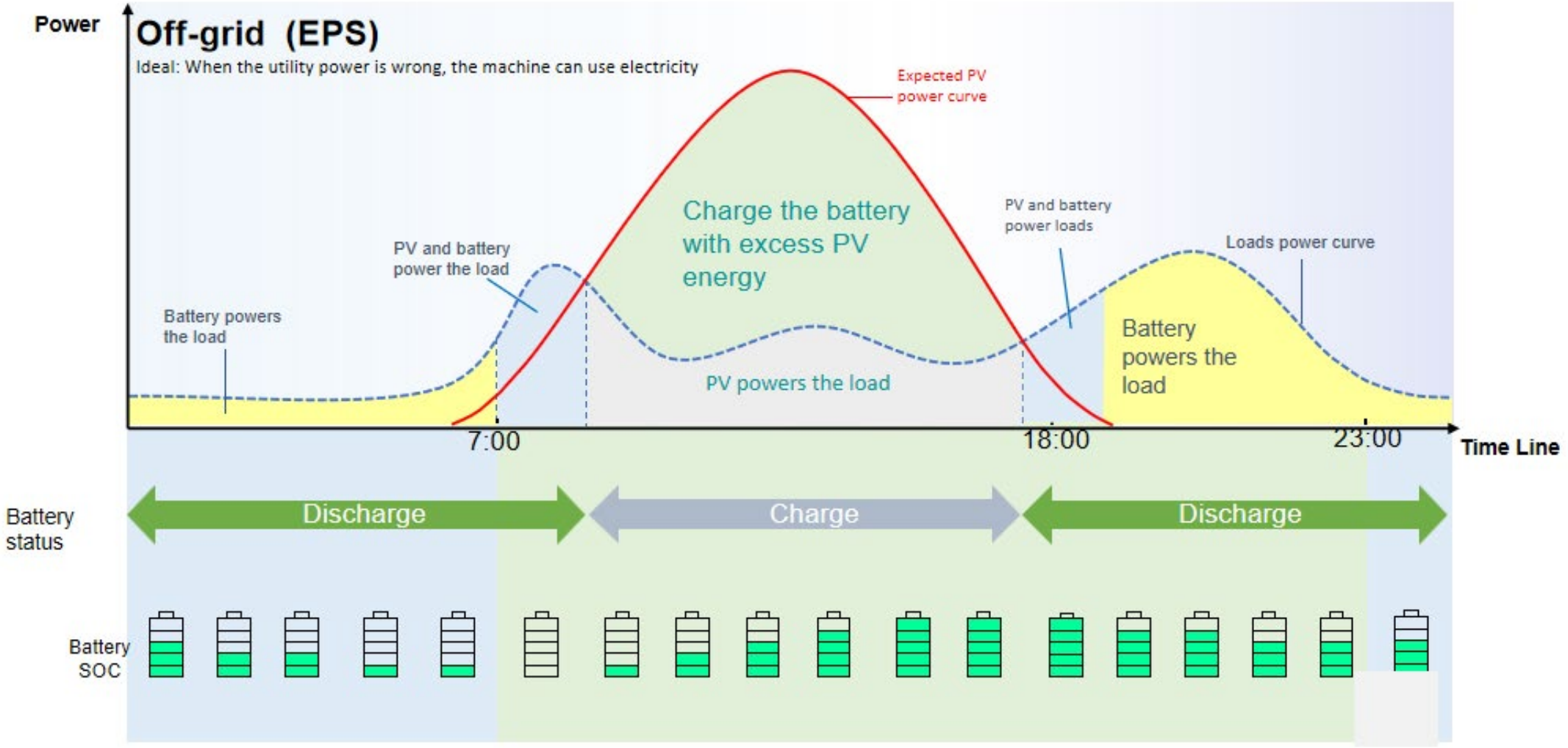
FEED IN PRIORITY



BACK UP


Power
Backup Mode
Idea: Based on the Self use mode, the minimum SOC is increased to prepare for a power outage.
(Assuming peak power from 7:00 to 23:00)
Expected pv power curve
surplus will be sold to the utility
Loads power curve
Reserve enough capacity to enter Off-grid mode in case of power failure
PV and battery power loads
The grid supplies power to the load and charges the battery
Charge battery
PV powers the load
PV and battery power the load
7:00
18:00
23:00
Time Line
Time setting
Night charging time
Other
Allowable discharge time period
Other
Battery status
Chagring
Standby
Dischargin
Chagring
Standby
Discharging
Standby
Battery SOC
Purchase status
purchase electricity
Self use
Sell electricity
Self use

OFF-GRID（EPS）


Power
Off-grid (EPS)
Ideal: When the utility power is wrong, the machine can use electricity
Expected PV power curve
Charge the battery with excess PV energy
PV and battery power the load
PV and battery power loads
Loads power curve
Battery powers the load
PV powers the load
Battery powers the load
7:00
18:00
23:00
Time Line
Battery status
Discharge
Charge
Discharge
Battery SOC

DataHub1000

Features

- Local & Remote monitoring, setting and upgrade of batch inverters
- Intelligent export control, DRM control, ripple control of batch inverters
- Support large-capacity data storage
- Support IEC104 protocol
- Compatible with MIC G2, PRO G2, X1H G4, X3H G4, MEGA G2 and Forth inverters

Features

Charging Mode and Function

Green Mode: Charge EV with PV as much as possible. Default level: 6A.

ECO Mode: Charging rate adjustable based on generation and consumption.

Stop charging when surplus power lower than 1.4kW/4.2kW.

Fast Mode： Charging at full load, taking power from both PV and Grid.

Timer Boost Function: Charging at full load during the setting period under any mode.

Smart Boost Function: Set desired power and time, the charger will charge accordingly.

Smart EV Charger

X1-EVC7.2K(32A)

X3-EVC11K(16A)

X3-EVC22K(32A)

Features

Built-in RCD and DC protection

Remote Setting and Monitoring

Smart Dynamic Load Balance Control

Two Version Available

Compatible with Type 2 Electric Cars and Any Inverters

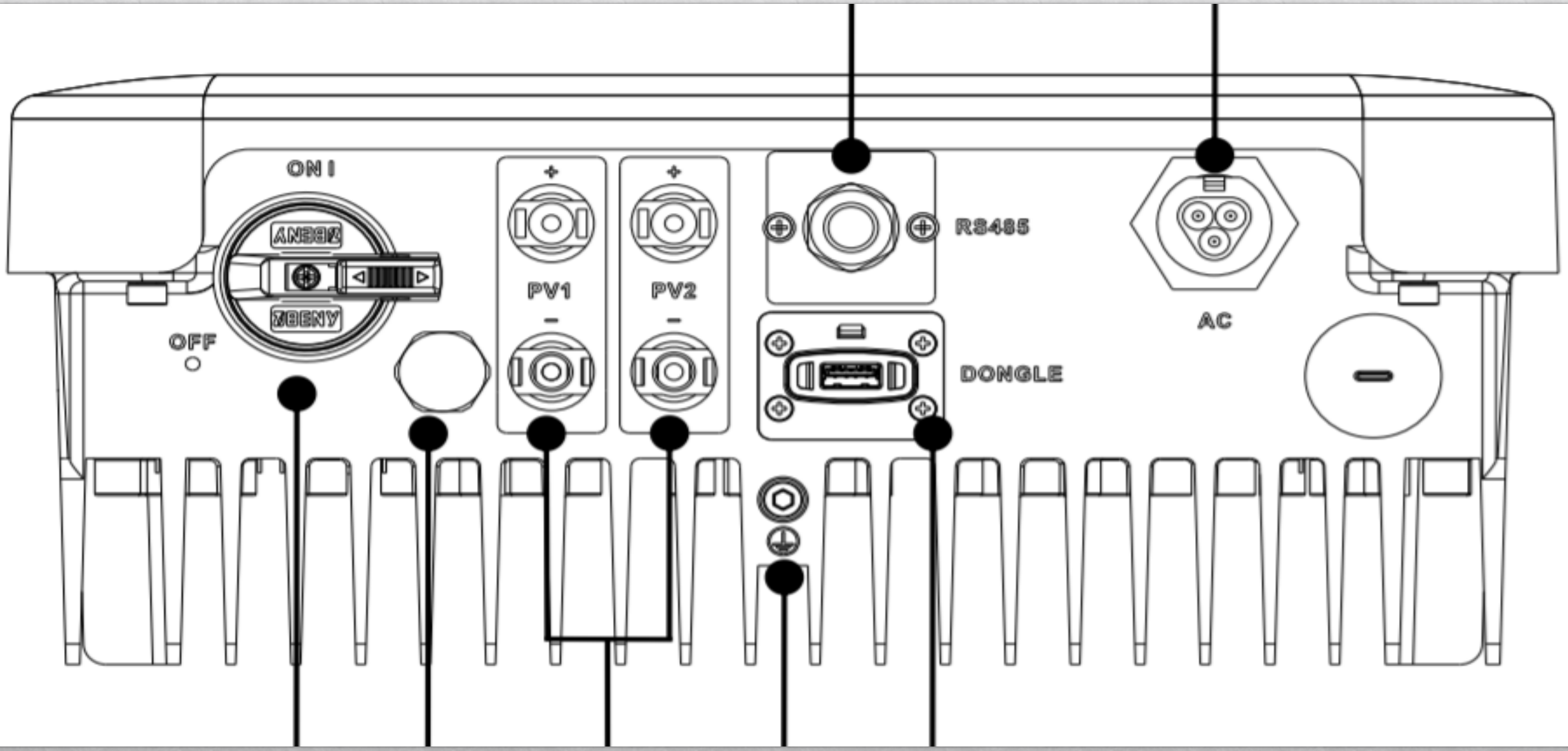
SOLAX POWER | TRIPLE POWER

Part 2

Inverter Installation And Variations

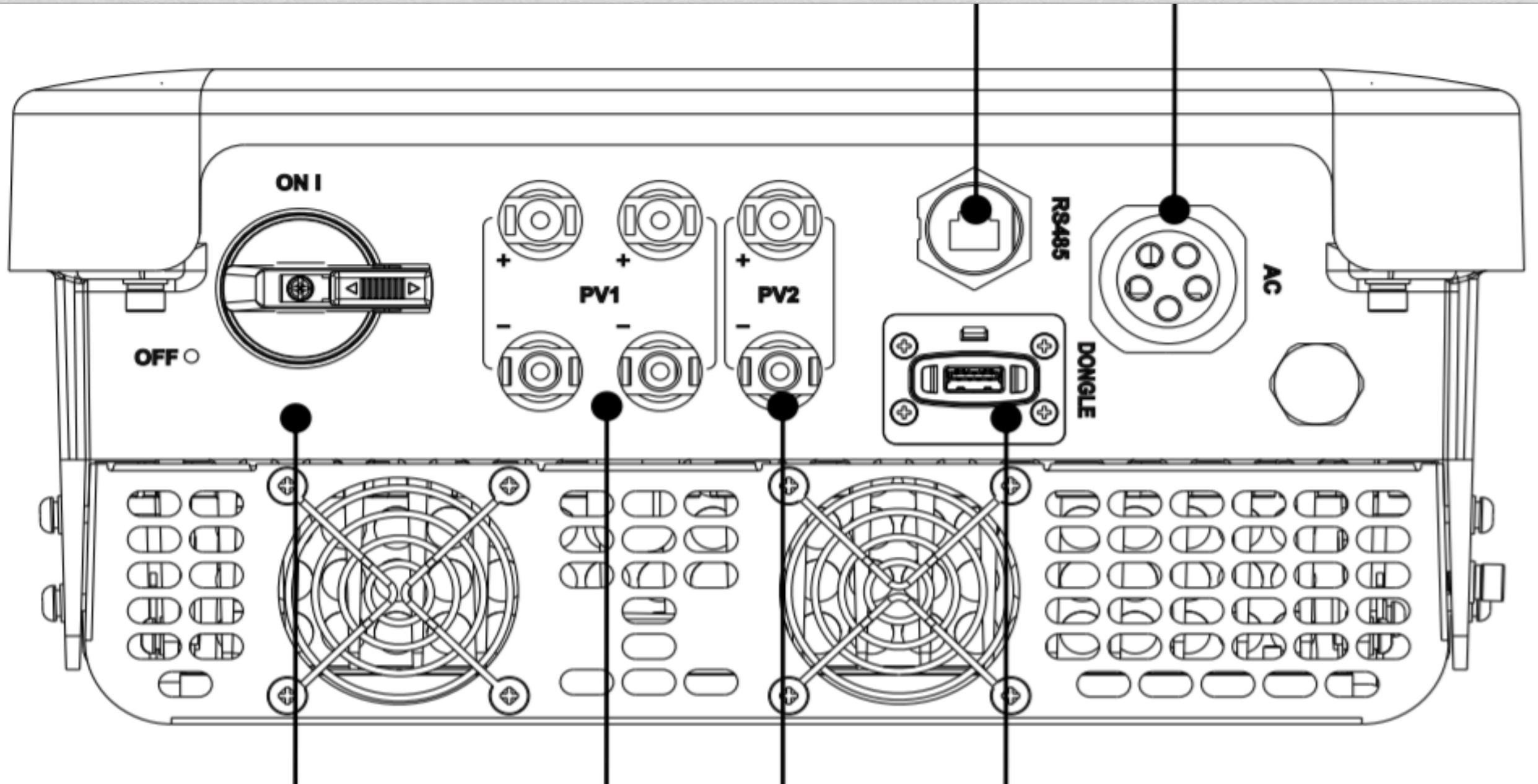
1. Grid Connected Inverter Installation
2. Hybrid Battery Inverter Installation
3. Battery and Accessory Installation

1.Grid Connected Inverter Installation--Boost

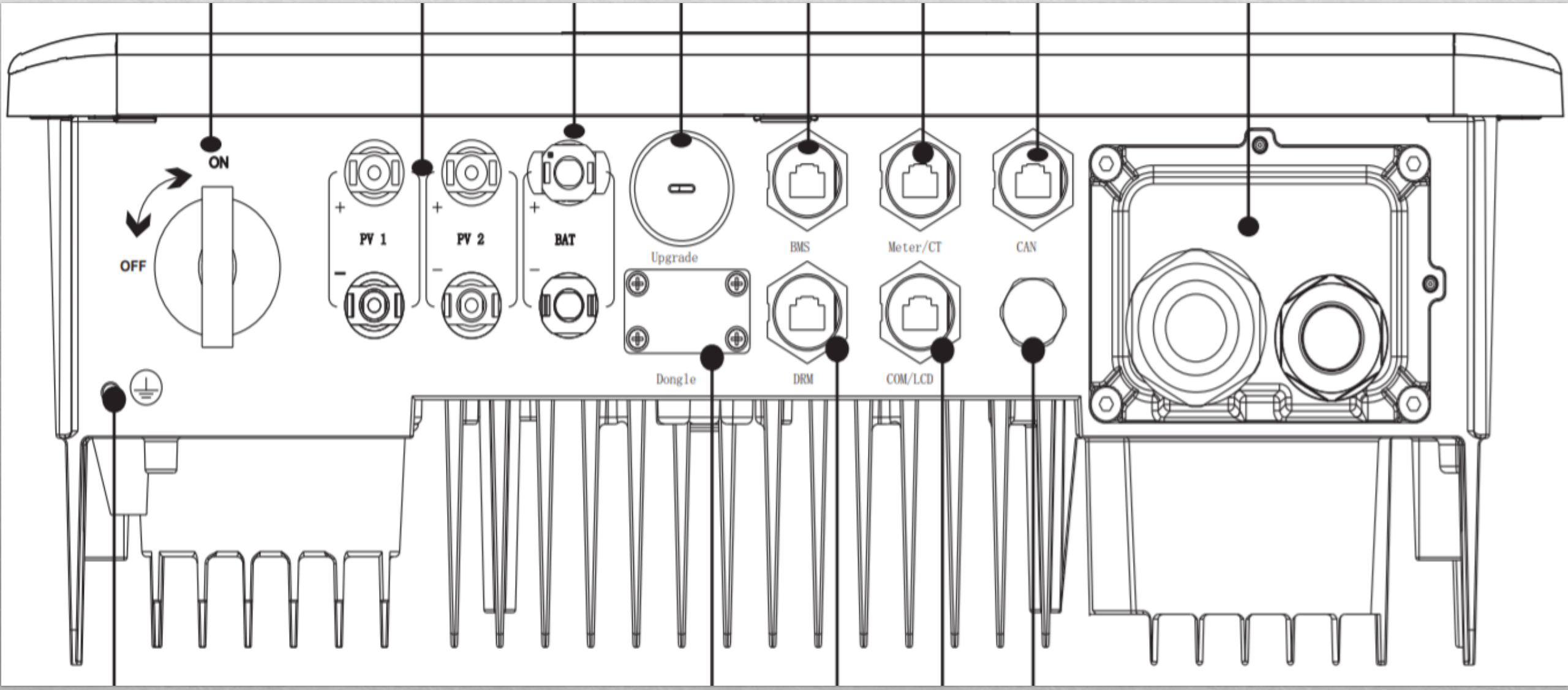


DRM/CT/Meter/RS485 share a same connector

1.Grid Connected Inverter Installation--MIC G2

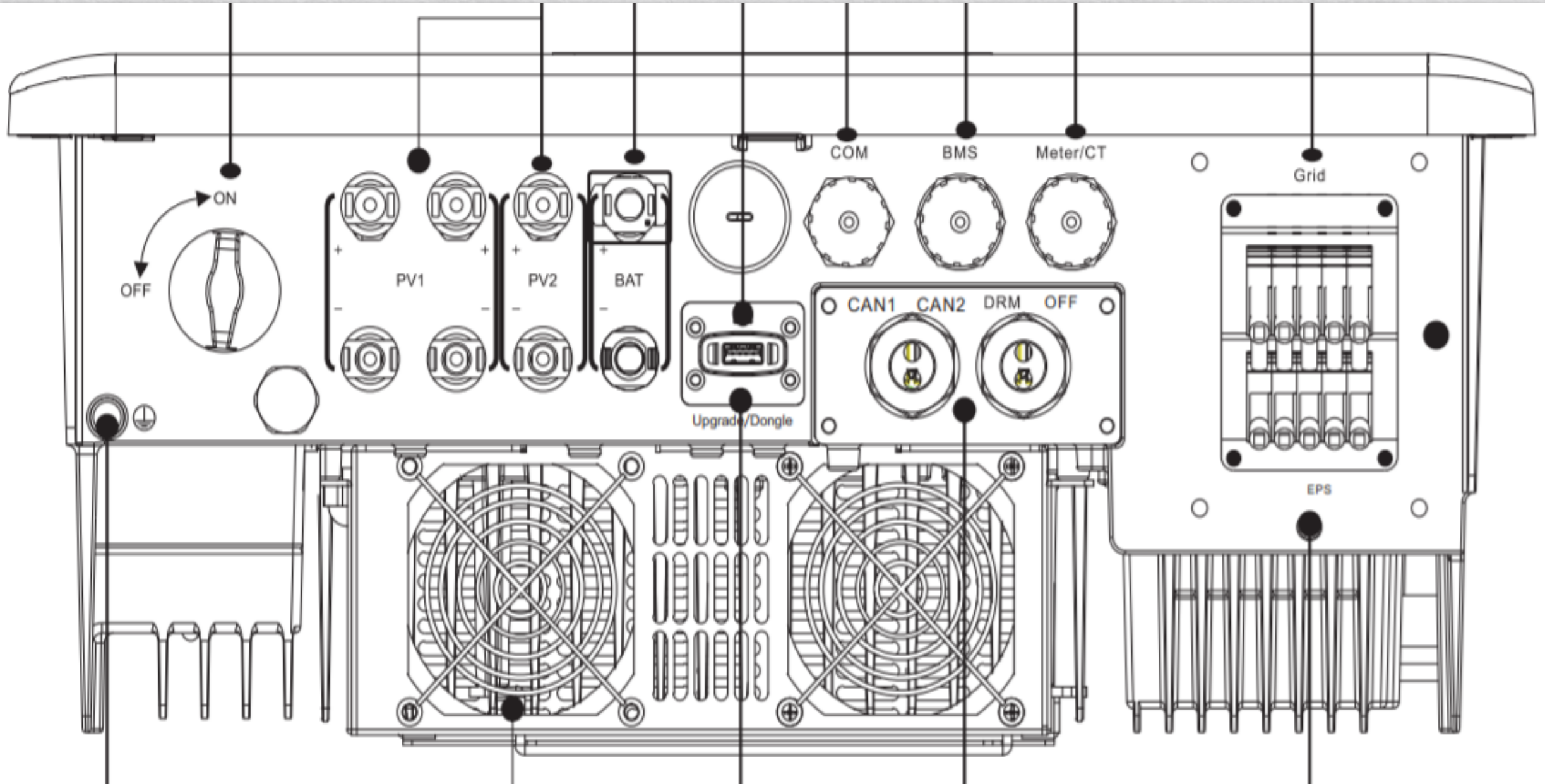


2.Hybrid Battery Inverter Installation--X1 Hybrid G4

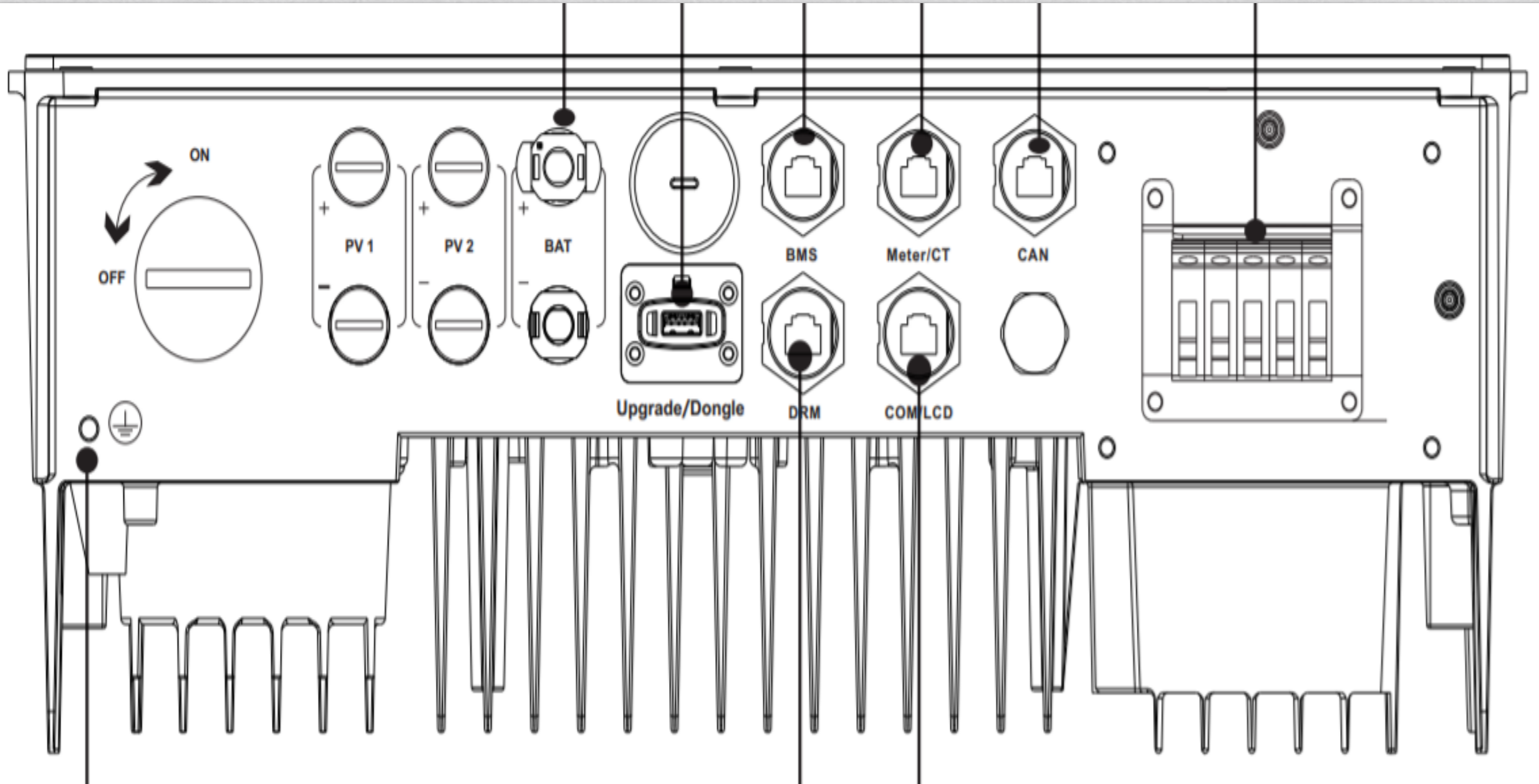


Fan Included for X1-Hybrid-7.5D AND X1-Hybrid-7.5M

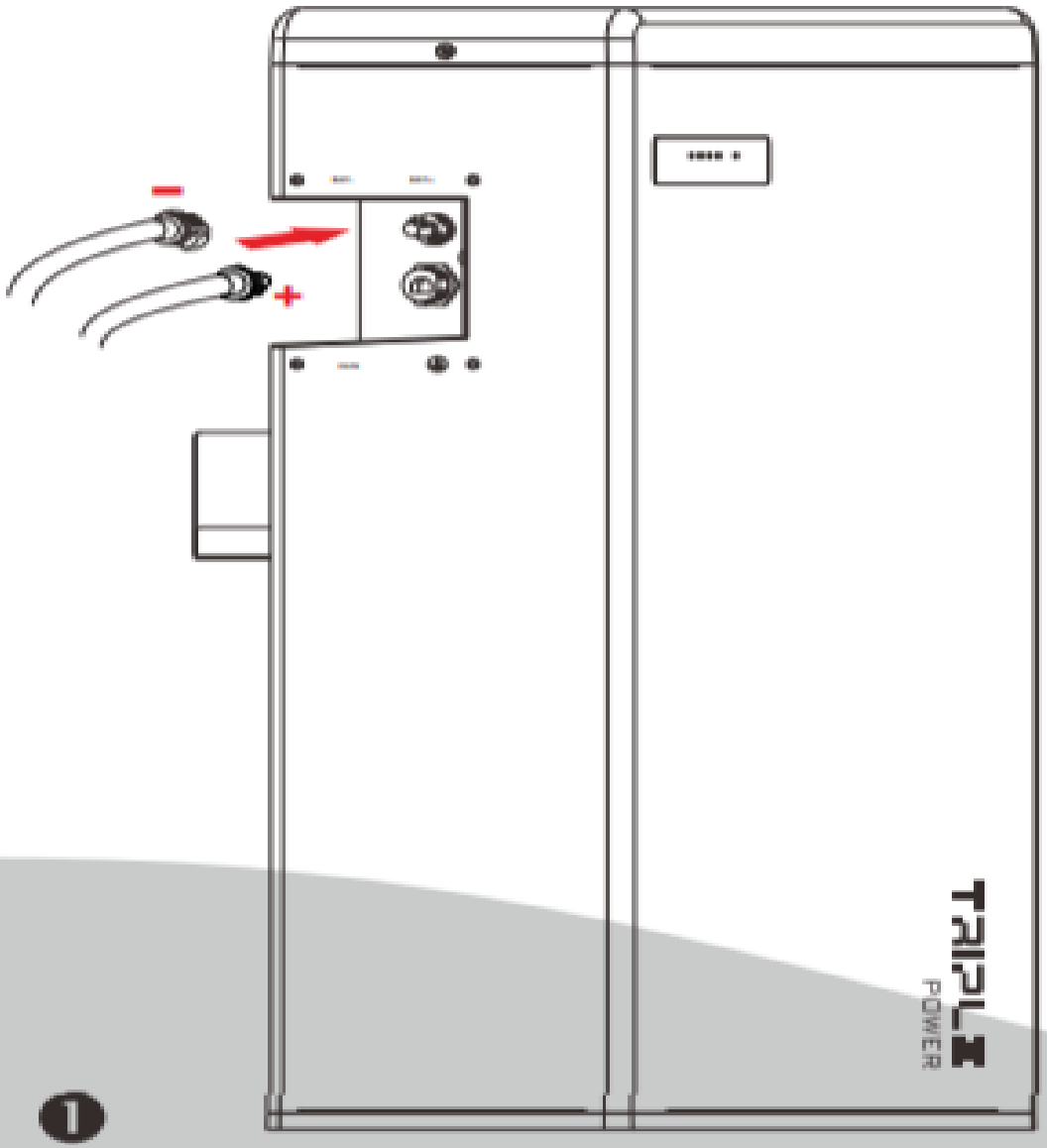
2.Hybrid Battery Inverter Installation--X3 Hybrid G4



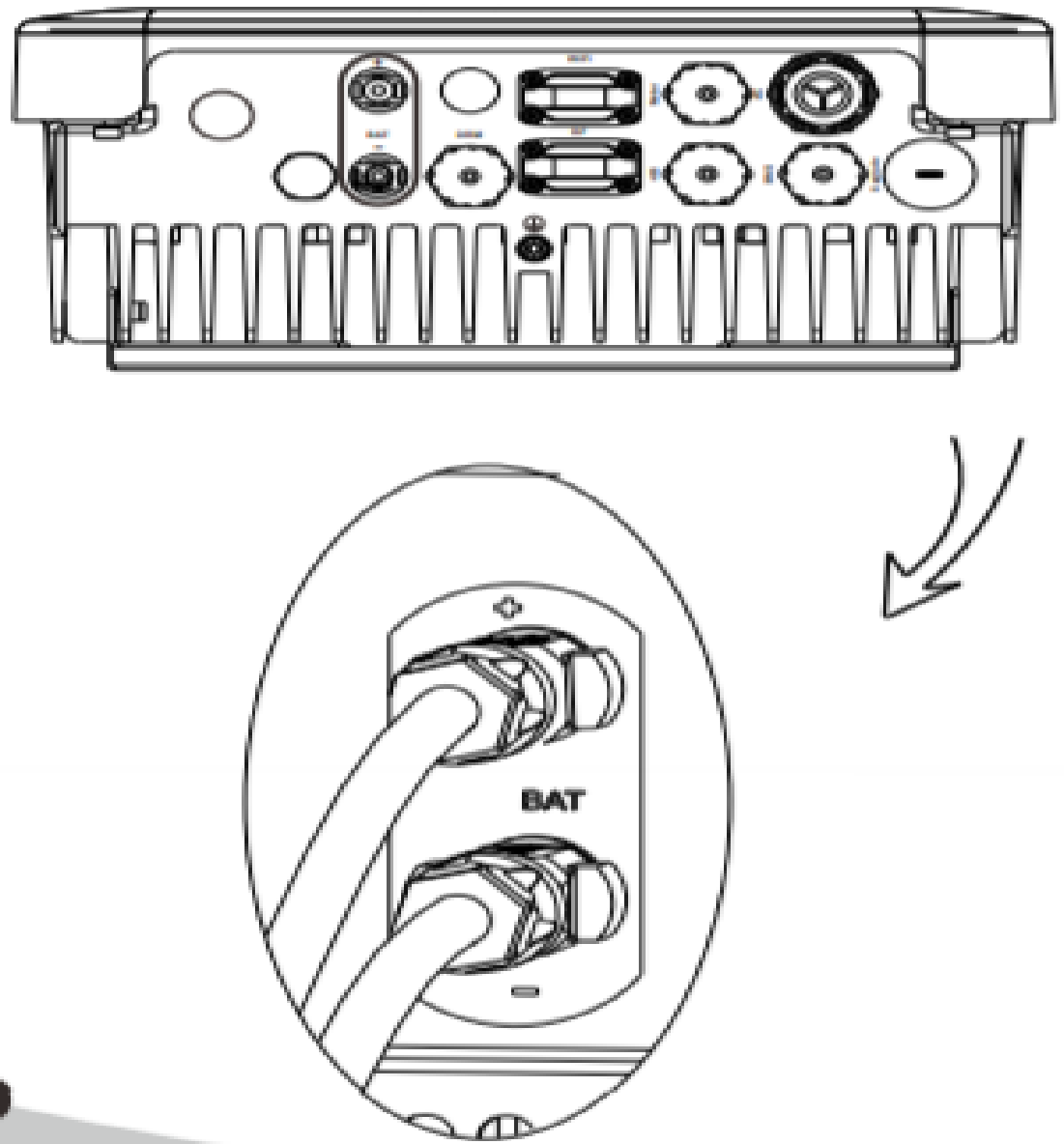
2.Hybrid Battery Inverter Installation--X1 Retro Fit G4



3.Battery and Accessory Installation--T58 Battery

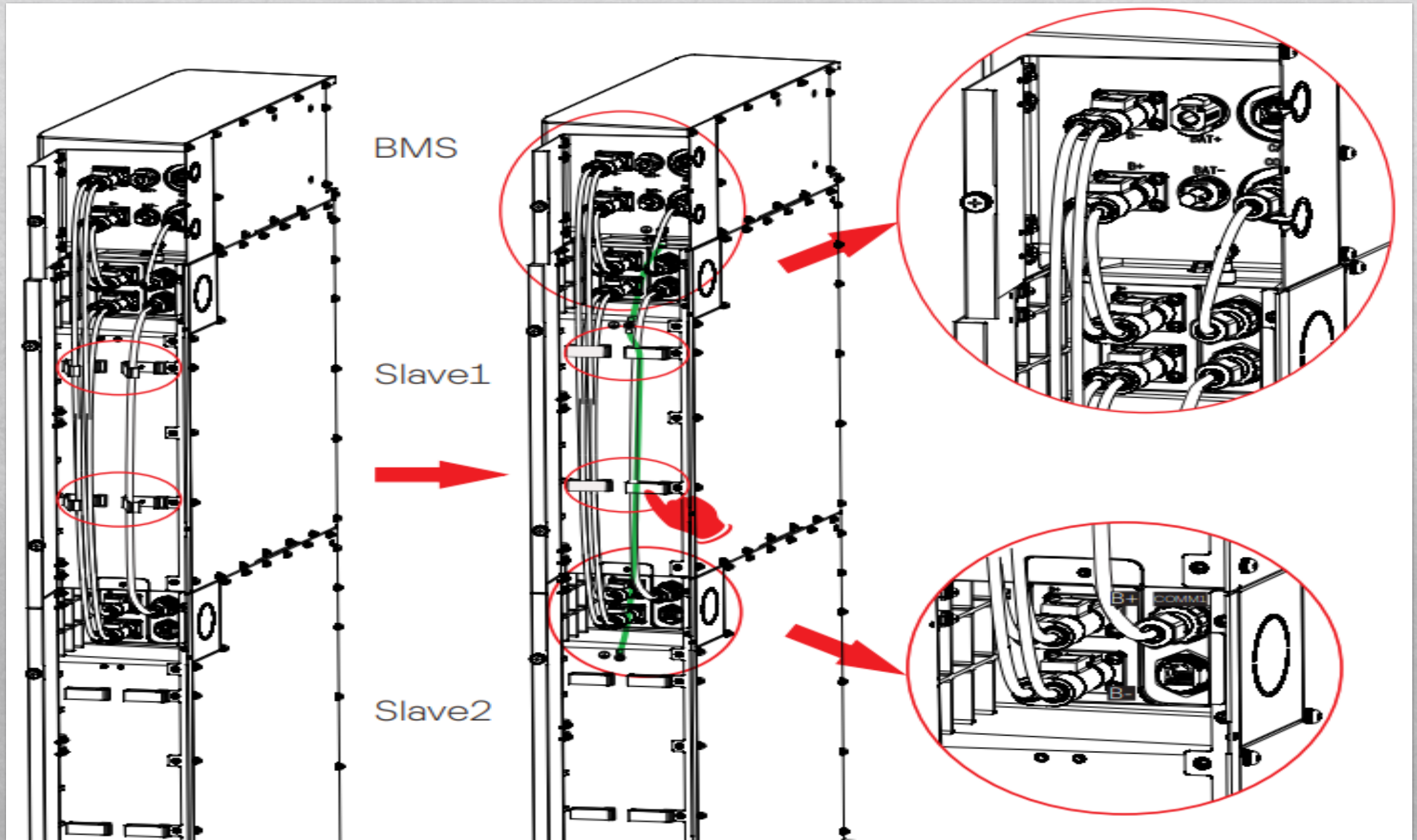


1

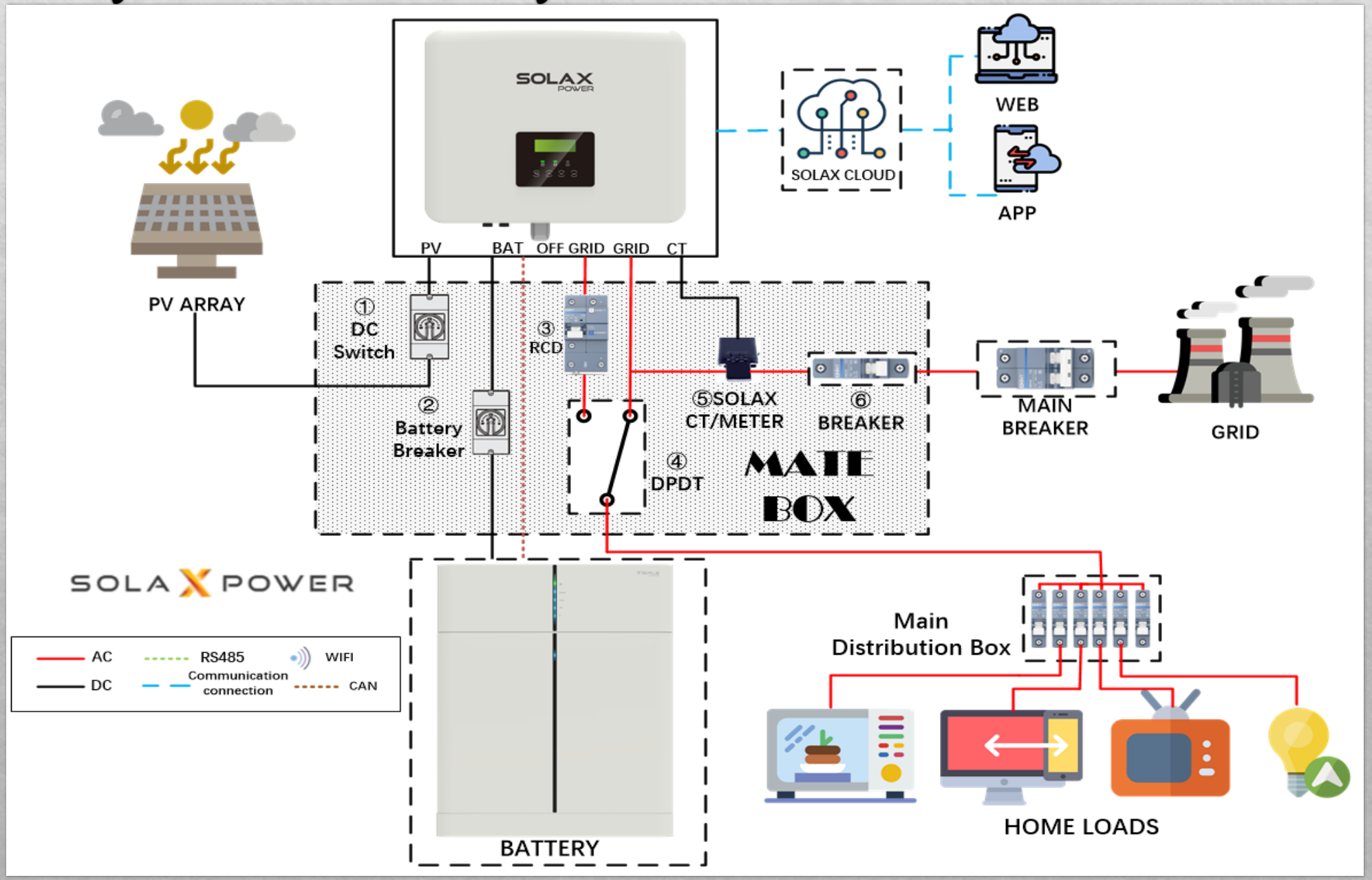


2

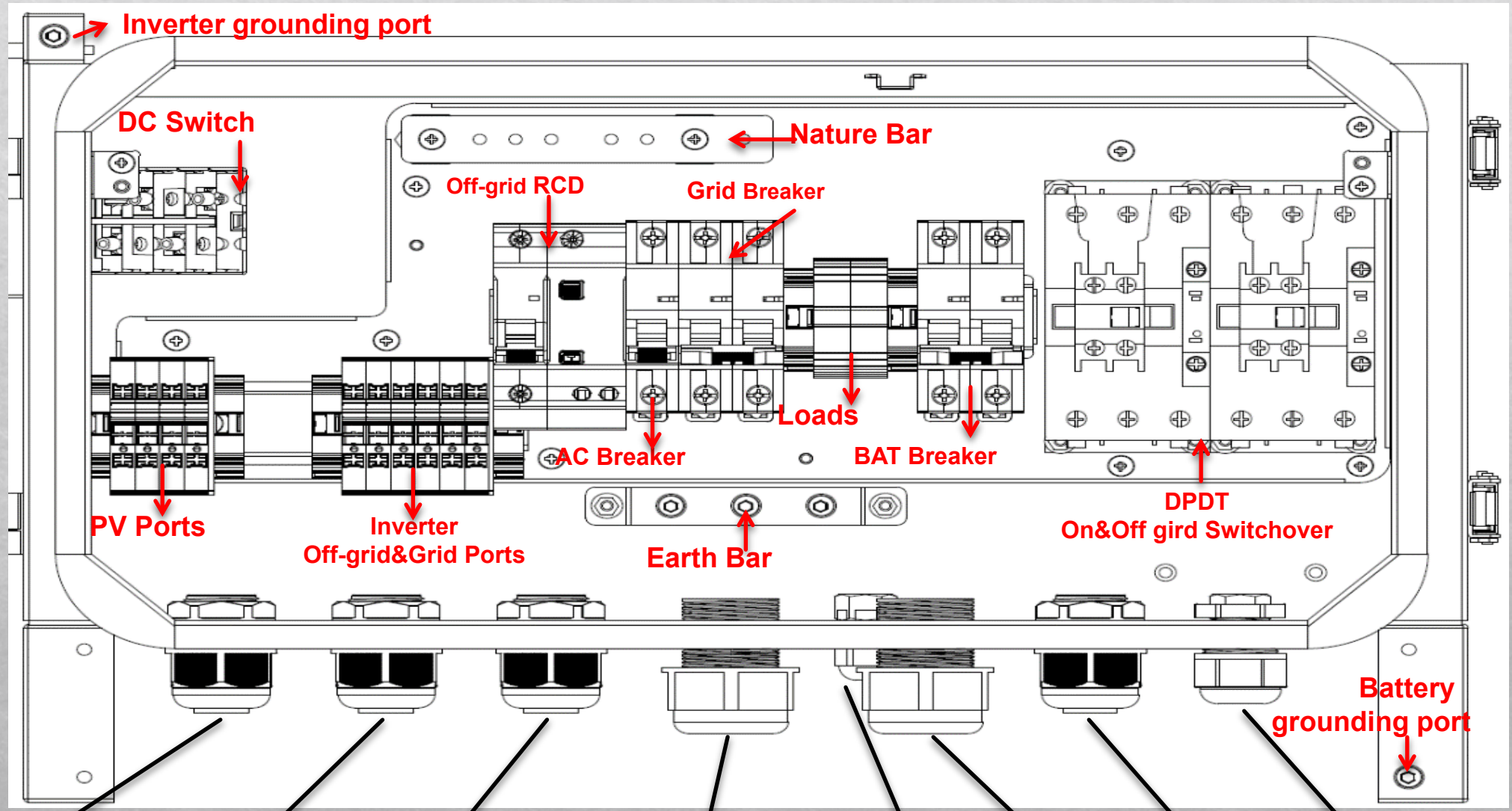
3.Battery and Accessory Installation--T30 Battery



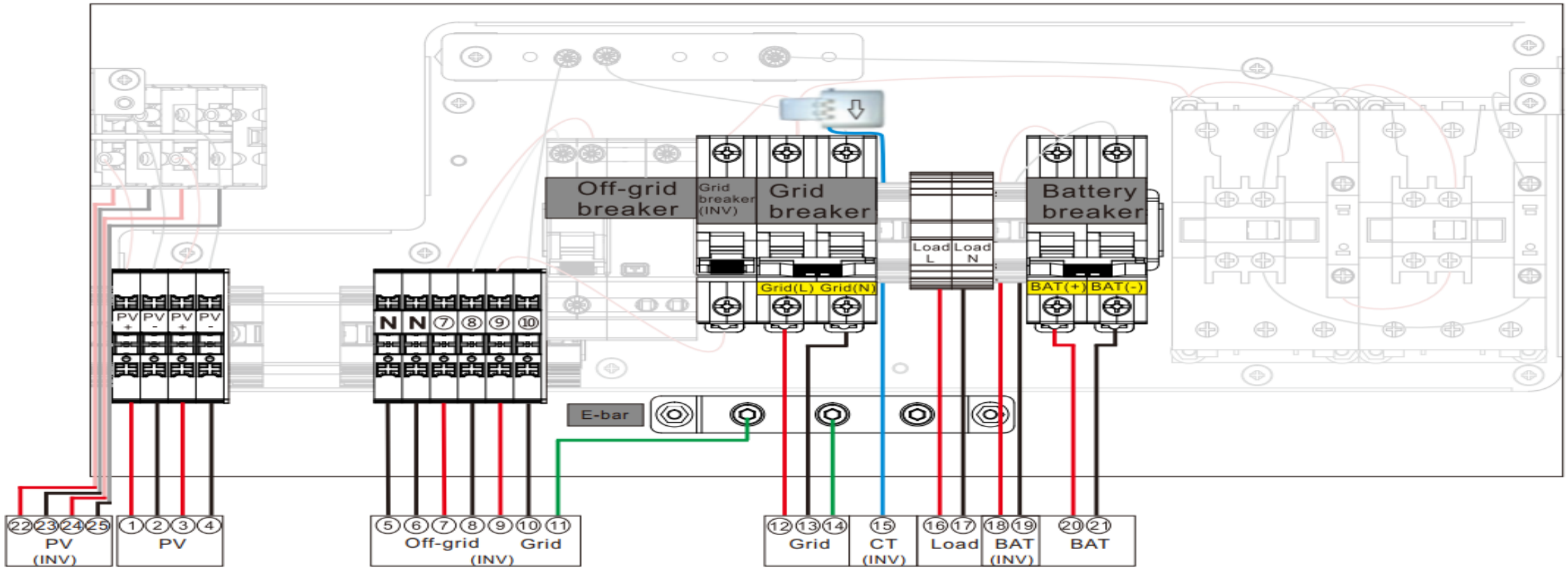
3.Battery and Accessory Installation--Matebox



3.Battery and Accessory Installation--Matebox



3.Battery and Accessory Installation--Matebox



PV	①	PV 1 positive connection(PV 1+)	Grid (INV)	⑩	N port of inverter grid	BAT (INV)	⑱	Positive battery connection on inverter (BAT+)
	②	PV 1 negative connection(PV 1-)		⑪	PE port of inverter grid		⑲	Negative battery connection on inverter (BAT-)
	③	PV 2 positive connection(PV 2+)	Grid	⑫	Grid connection of L	BAT	⑳	Battery positive connection (BAT+)
	④	PV 2 negative connection(PV 2-)		⑬	Grid connection of N		㉑	Battery negative connection (BAT-)
N	⑤	L port off-grid		⑭	Grid connection of PE	PV (INV)	㉒	PV 1 positive connection(PV 1+)
	⑥	N port off-grid	CT (INV)	⑮	CT port of inverter		㉓	PV 2 negative connection(PV 1-)
Off-grid (INV)	⑦	L port of inverter off-grid					㉔	PV 1 positive connection(PV 2+)
	⑧	N prot of inverter off-grid	Load	⑯	Load connection of L		㉕	PV 2 negative connection(PV 2-)
Grid (INV)	⑨	L port of inverter grid		⑰	Load connection of N			

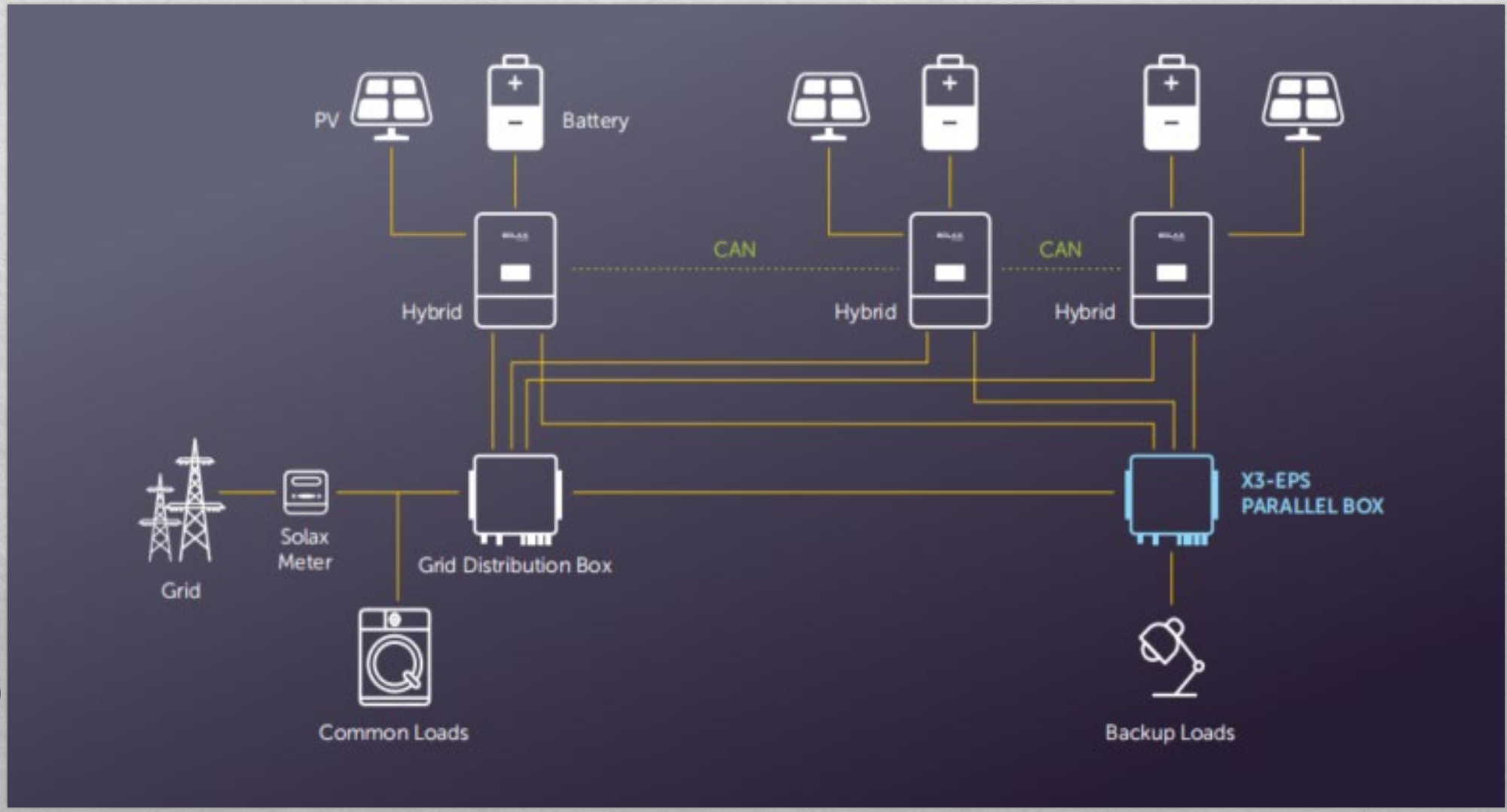
Australian users must short-connect ⑤/⑥ of N lines

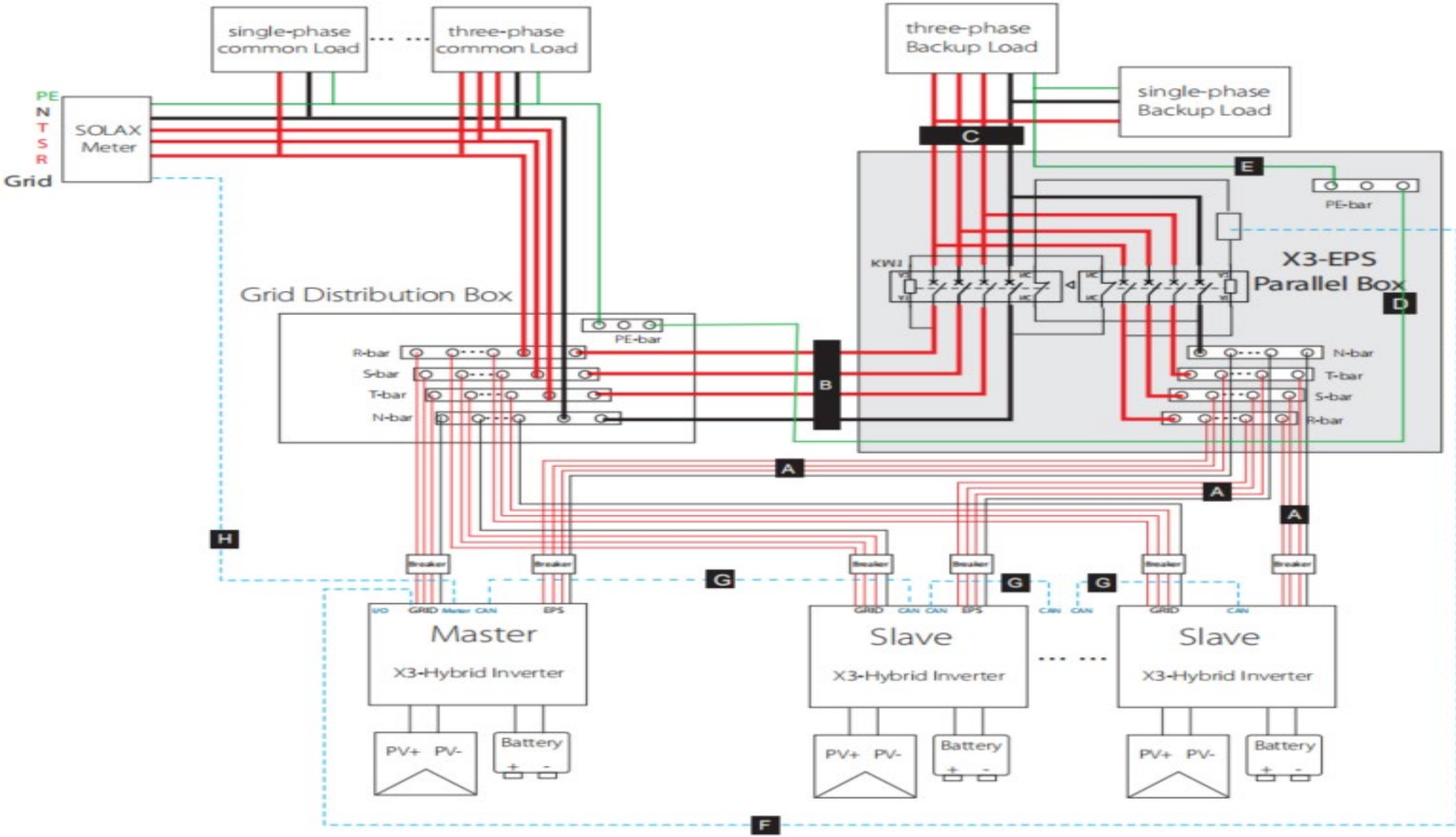
3.Battery and Accessory Installation--EPS Parallel Box

X3-EPS Parallel Box

X3-PBOX-60KW-G2(87A)
Connect up to 6 Inverters.

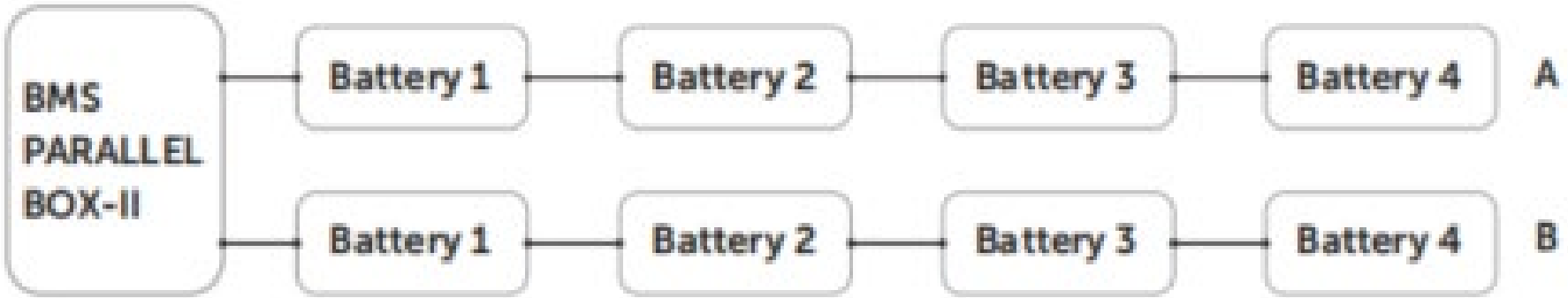
X3-PBOX-150KW-G2(217A)
Connect 5-10 Inverters.



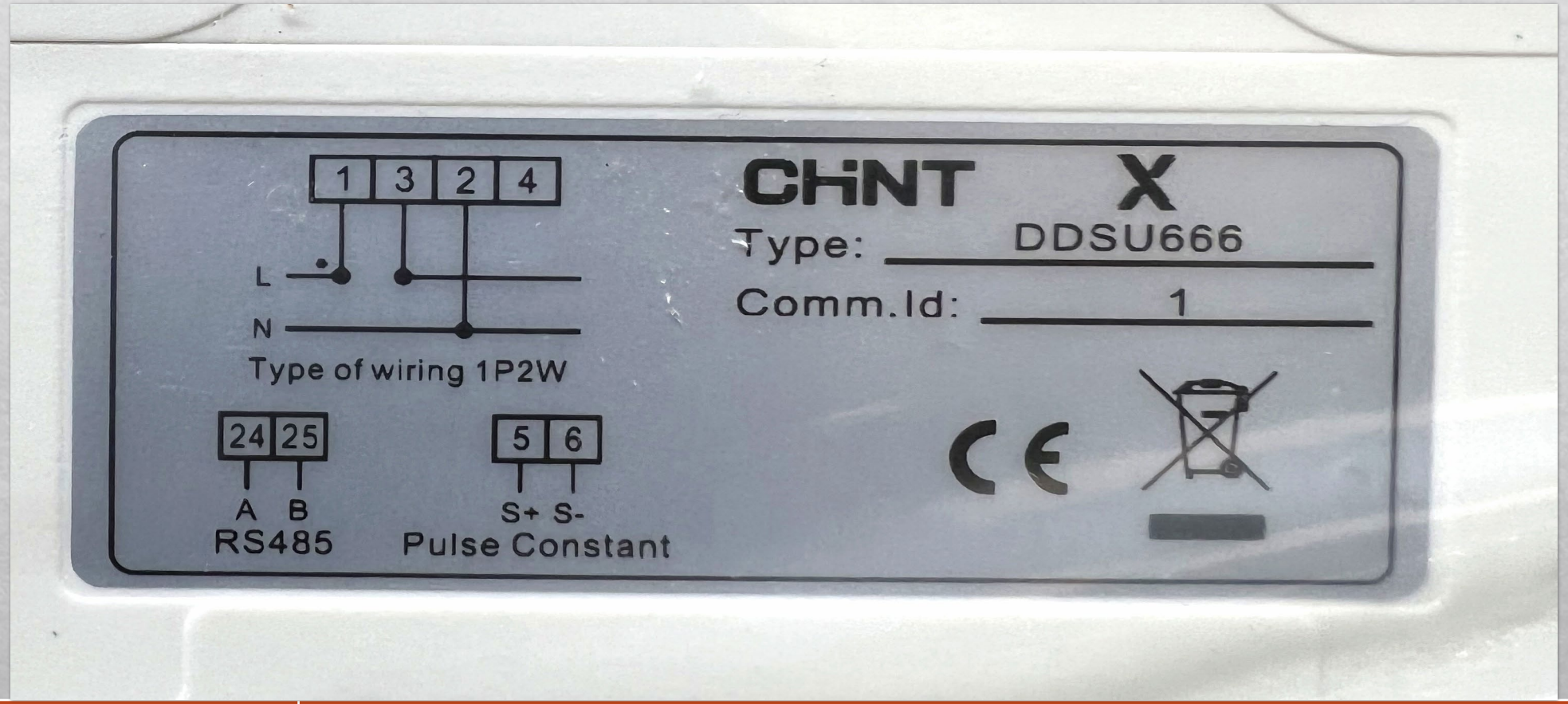

single-phase common Load
three-phase common Load
three-phase Backup Load
single-phase Backup Load
PE
N
T
S
R
Grid
SOLAX Meter
C
E
PE-bar
X3-EPS Parallel Box
D
Grid Distribution Box
PE-bar
R-bar
S-bar
T-bar
N-bar
B
A
H
G
F
Master
X3-Hybrid Inverter
Slave
X3-Hybrid Inverter
Slave
X3-Hybrid Inverter
PV+ PV-
Battery

3.Battery and Accessory Installation--BMS Parallel Box

- Double the number of batteries
- BMS Included
- Applicable for both Single-phase and Three-phase Inverter

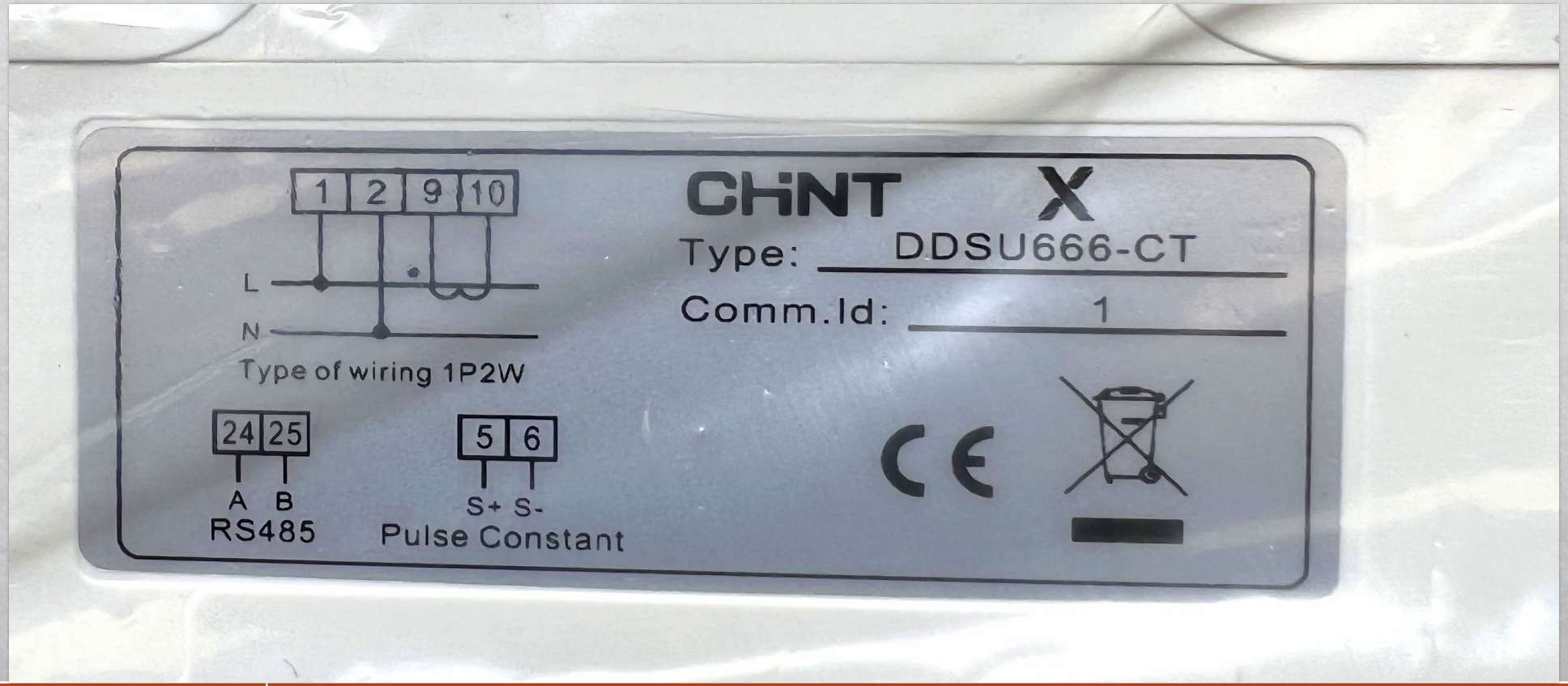


3.Battery and Accessory Installation--Smart Meter



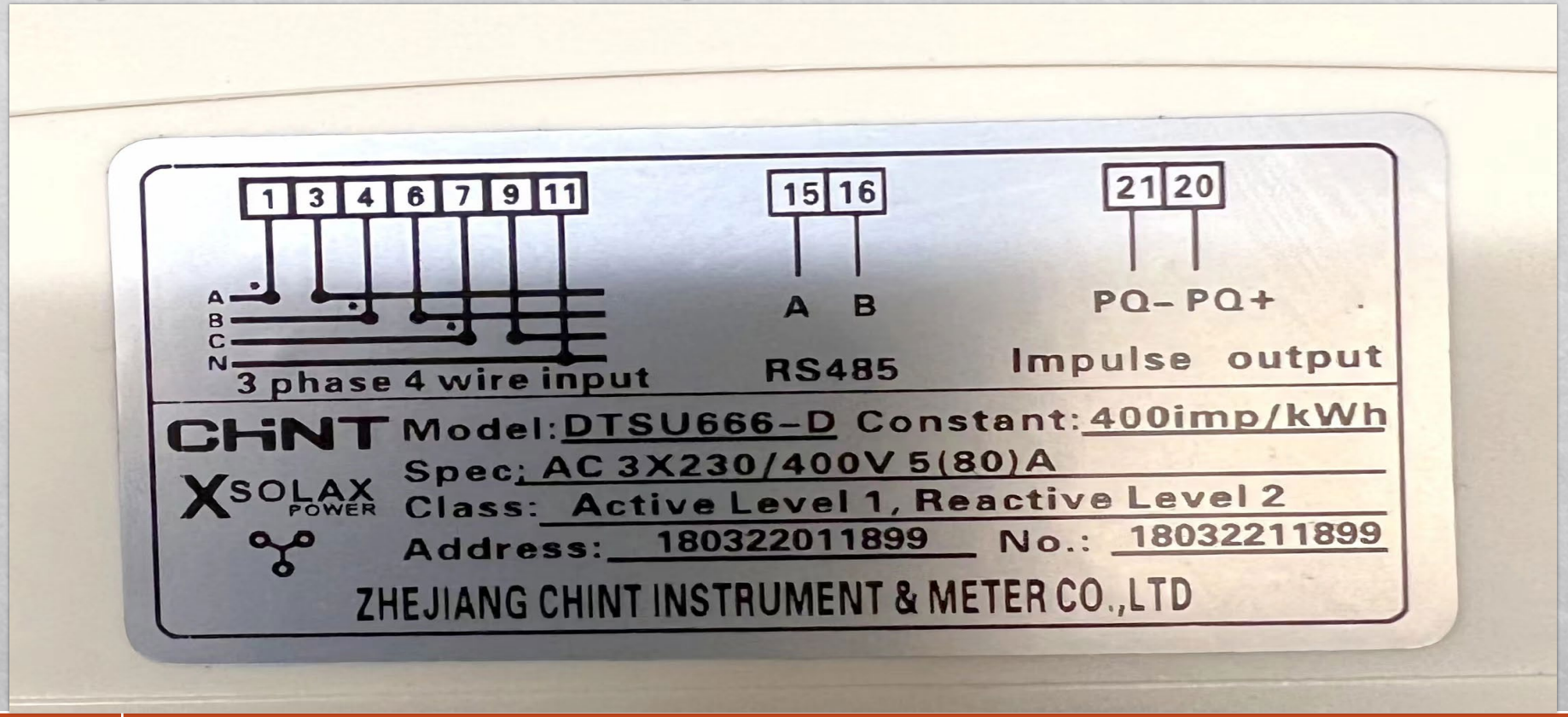
Meter	Cable Connection
Chint Single-Phase Meter DDSU666	"Need to cut the Line Input from ""1"", output from ""3"", ""2"" connected to N, ""24"" Connected to 485A, ""25"" Connected to 485B"

3.Battery and Accessory Installation--Smart Meter



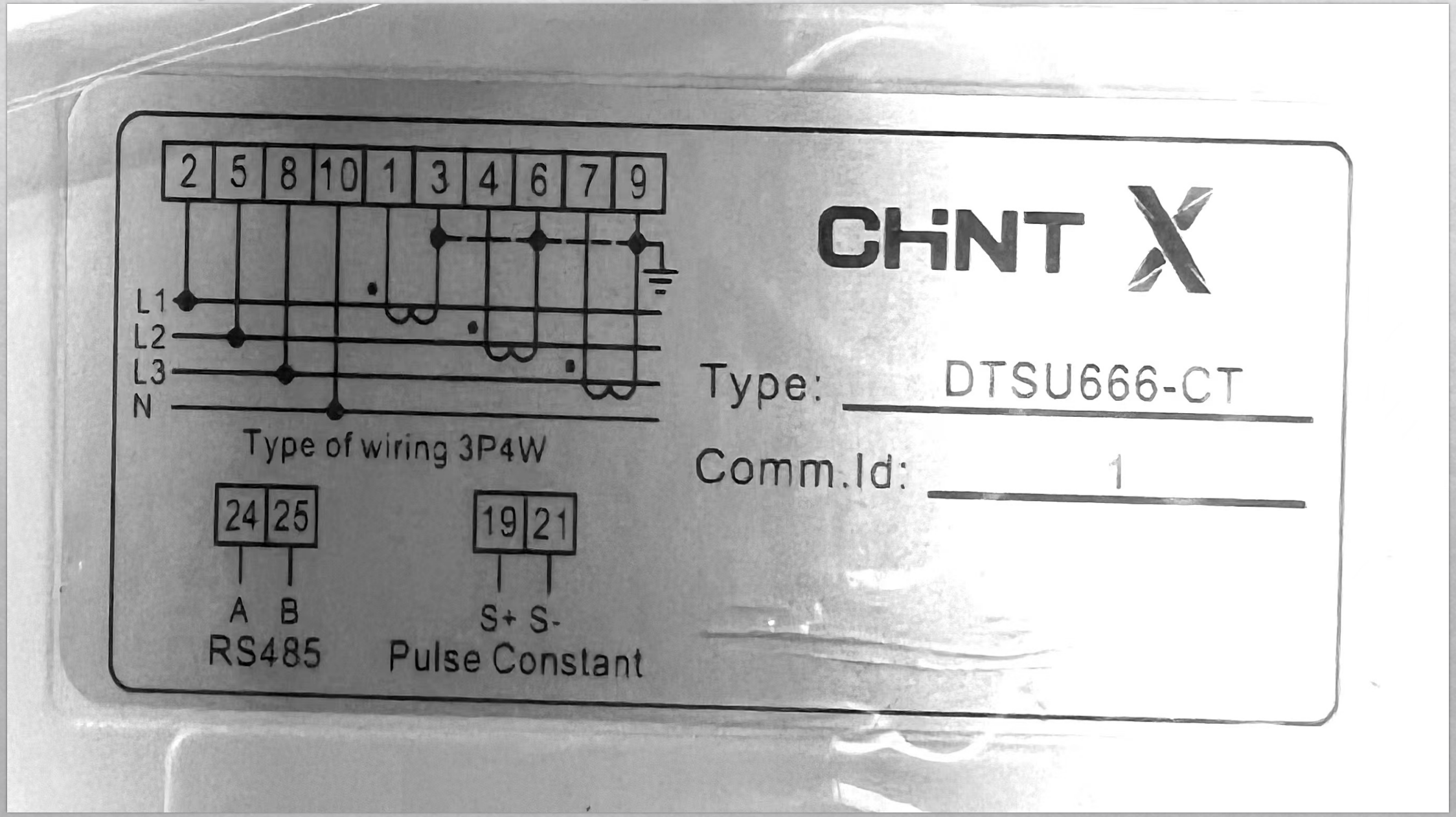
Meter Model	Cable Connection
Chint Single-Phase Meter DDSU666- CT	"No need to cut the Line; ""1"" Connected to Line, ""2"" Connected to N, ""9"" and ""10"" Connected to CT Postive and Negarive, Arrow facing Inverter “24” Connected to 485A, “25” Connected to 485B"

3.Battery and Accessory Installation--Smart Meter



Meter Model	Cable Connection
Chint Three-Phase Meter DTSU666-D	"Need to Cut the Lines; ""1"", ""4"", ""7"" Connected to ""L1"", ""L2"", ""L3"" Input From the Grid; ""3"", ""6"", ""9"" Connected to ""L1"", ""L2"", ""L3"" Output to the Load; ""11"" Connected to ""N"" ""15"", ""16"" Connected to ""485A"" and ""485B"""

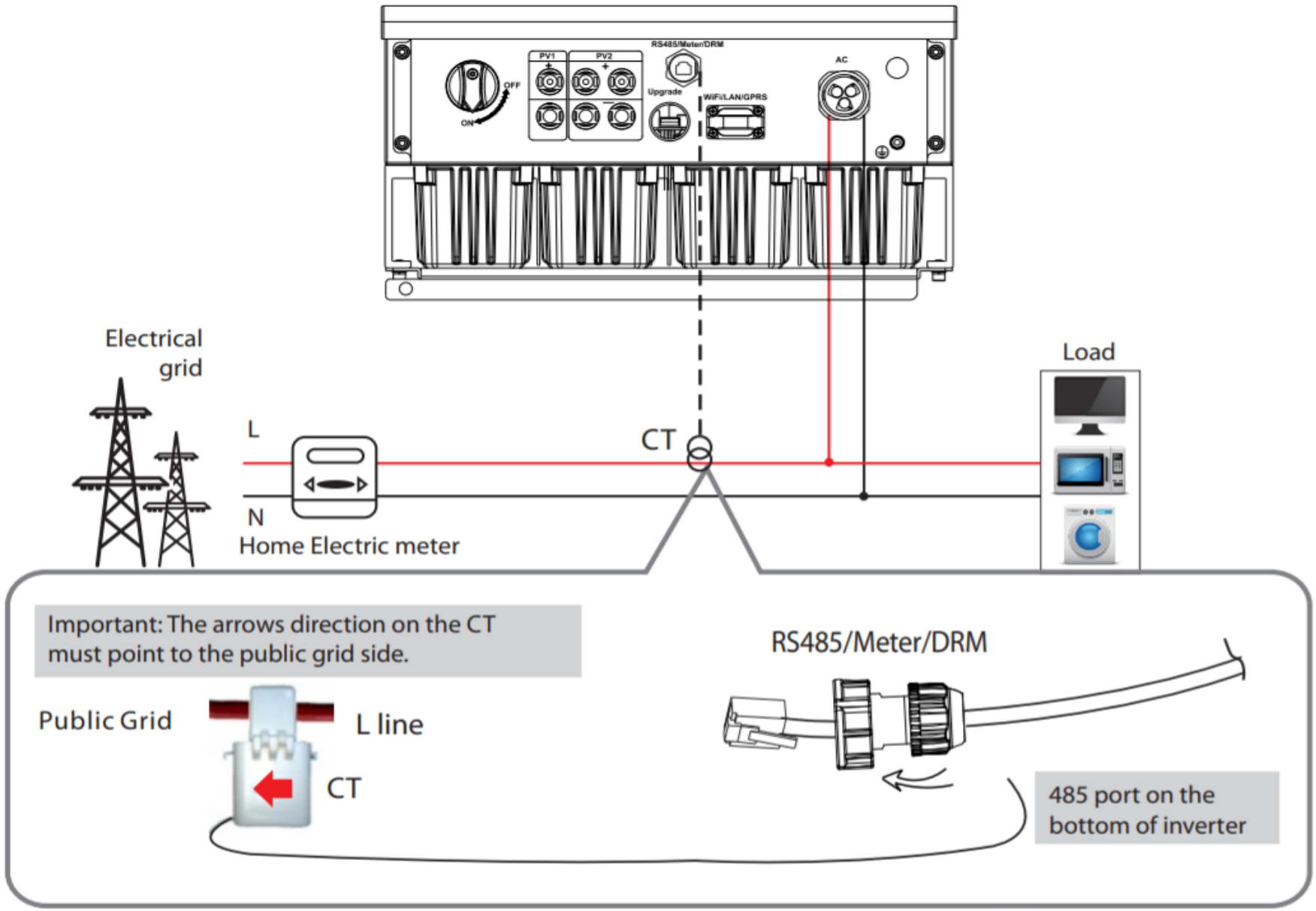
3.Battery and Accessory Installation--Smart Meter



3.Battery and Accessory Installation--Smart Meter

Meter Model	Cable Connection
Chint Three-Phase Meter DTSU666-CT	"No need to Cut the Lines; ""2"", ""5"", ""8"" Connected to ""L1"", ""L2"", ""L3"" Input From the Grid; ""1"", ""3"" Connected to CT1 Clamping on ""L1"", ""1"" Connected to the ""+""(Red Line) on the CT while ""3"" Connected to the ""-""(Black Line) on the CT, Arrow Pointing at Inverter; ""4"", ""6"" Connected to CT2 Clamping on ""L2"", ""4"" Connected to the ""+""(Red Line) on the CT while ""6"" Connected to the ""-""(Black Line) on the CT, Arrow Pointing at Inverter; ""7"", ""9"" Connected to CT3 Clamping on ""L3"", ""7"" Connected to the ""+""(Red Line) on the CT while ""9"" Connected to the ""-""(Black Line) on the CT, Arrow Pointing at Inverter ""10"" Connected to ""N"" ""24"", ""25"" Connected to ""485A"" and ""485B"""

3.Battery and Accessory Installation--CT Connection



The arrow for a single CT installation need to facing the Grid.

The arrow for a CT installed with a SolaX smart meter need to facing the inverter.

CT and Meter Connection on Inverters Summary

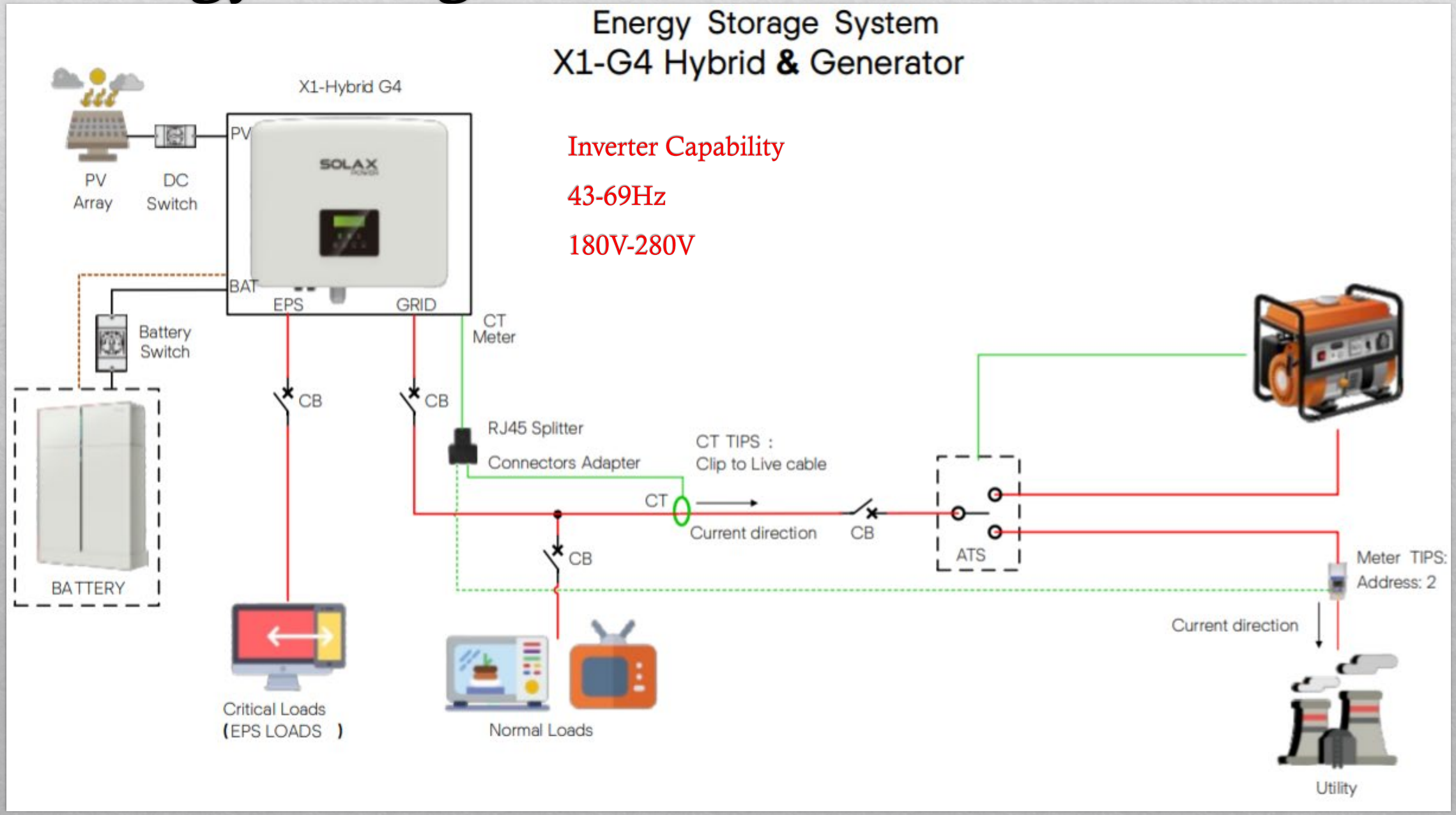
Model	Meter Pin Connection	CT Pin Connection
X1- MINI/Boost G3.0+	Pin 4 (485A) and Pin 5 (485B)	Pin 1 (CT+)　Pin 8 （CT-）
X3- MIC G2	Pin 4 (485A) and Pin 5 (485B)	CT Not Supported
X3- PRO G2	Pin 5 (485A) and Pin 6 (485B)	CT Not Supported
X1-Hybrid G4 X1-Retro Fit G4	Pin 4 (485A) and Pin 5 (485B)	CT1: Pin 1 CT 1-1　Pin 8 CT 1-2 CT2: Pin 3 CT 2-1 Pin 6 CT 2-2
X3-Hybrid G4	Pin 4 (485A) and Pin 5 (485B)	Pin 1 CT R-1　Pin 8 CT R-2 Pin 2 CT S-1 Pin 7 CT S-2 Pin 3 CT T-1 Pin 6 CT T-2
X3- Retro Fit G4	Pin 4 (485A) and Pin 5 (485B)	CT Not Supported

1. Energy Storage & Generator Solution
2. Hybrid & Inverter Micro Grid Solution
3. Energy Storage Parallel System Solution
4. Energy Storage & Heat Pump Solution
5. Energy Storage & EV Charger Solution

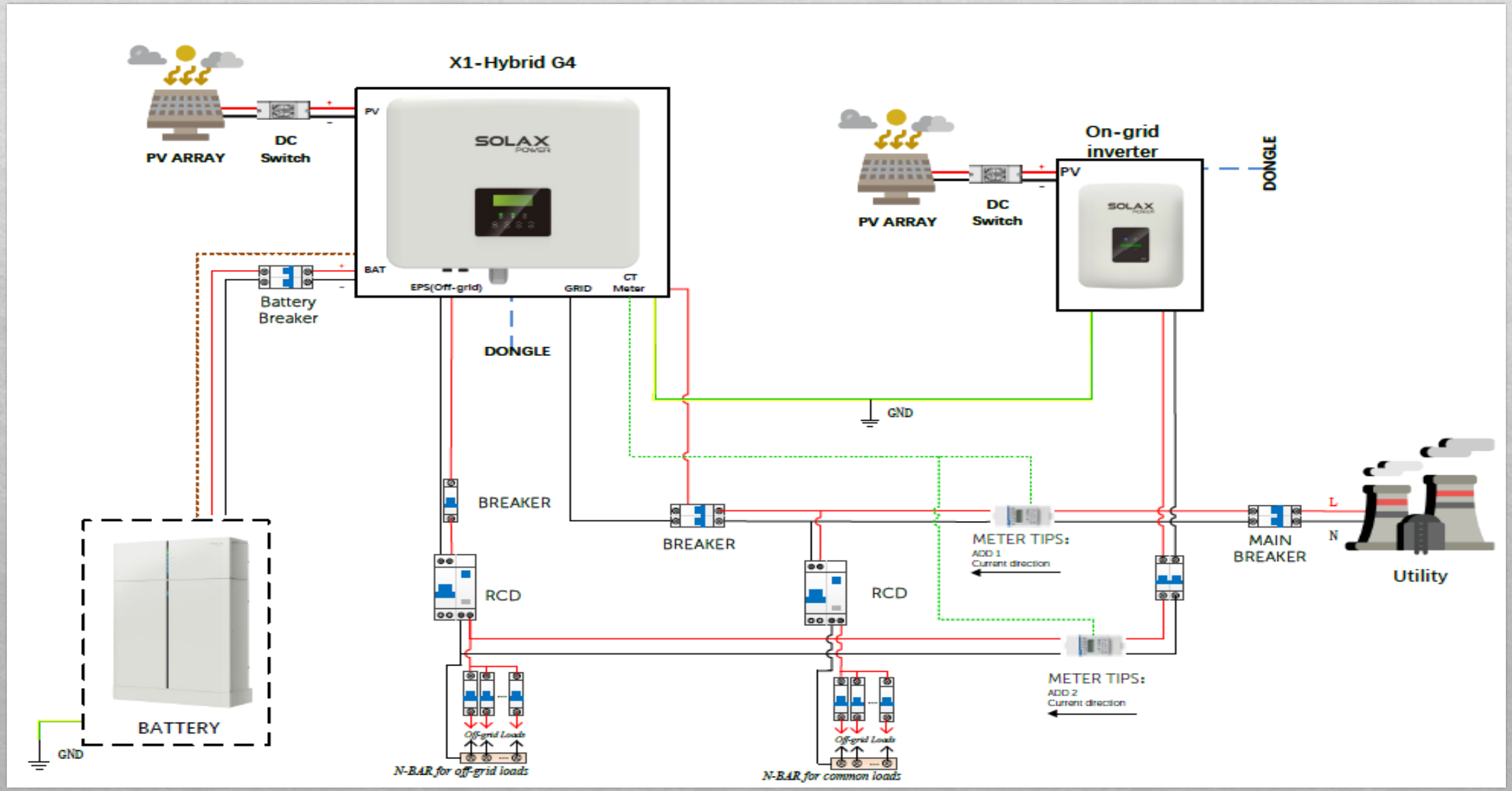
Part 3

Intelligent Management Solutions

1.Energy Storage & Generator Solution

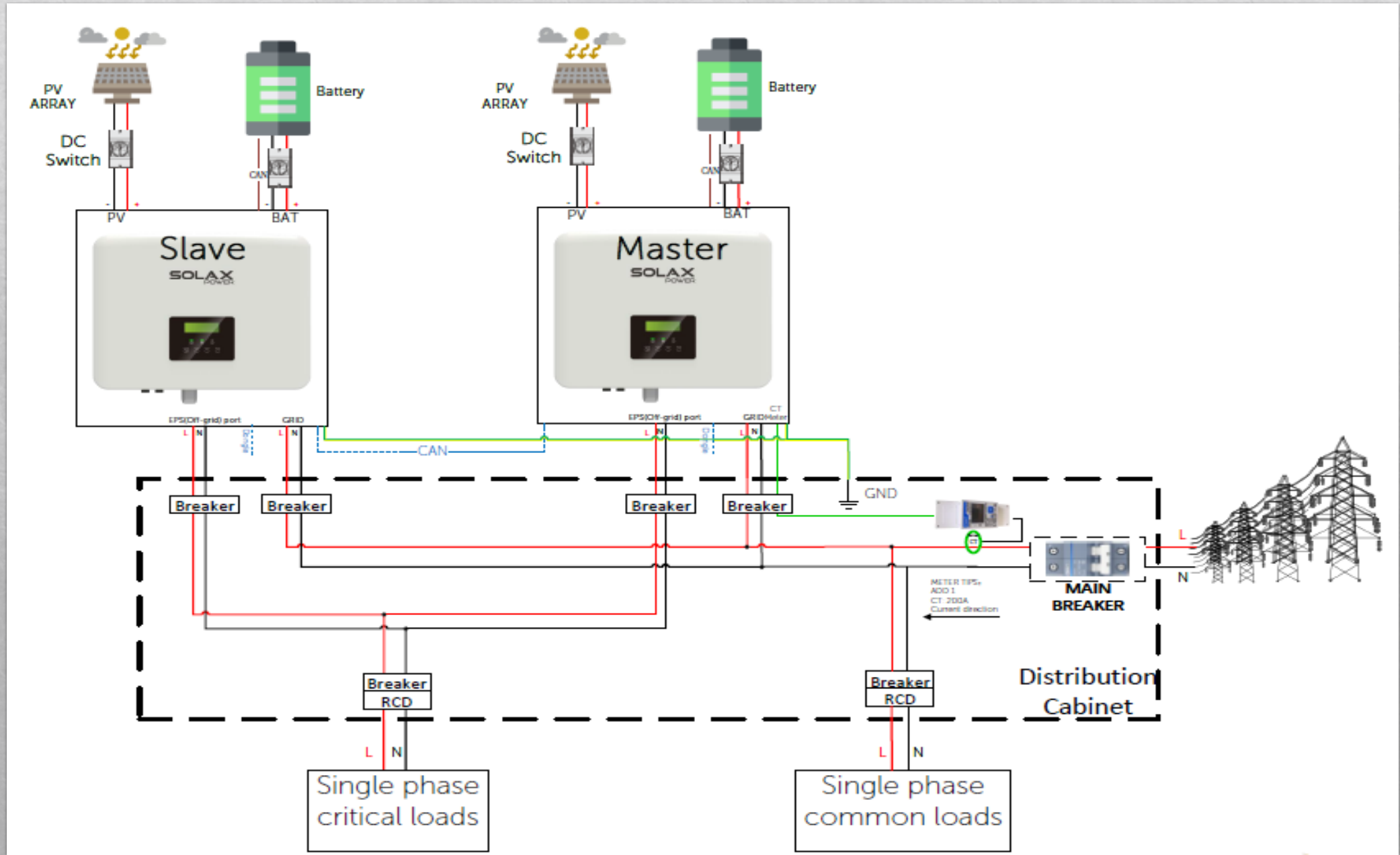


2.Hybrid & Inverter Micro Grid Meter Solution

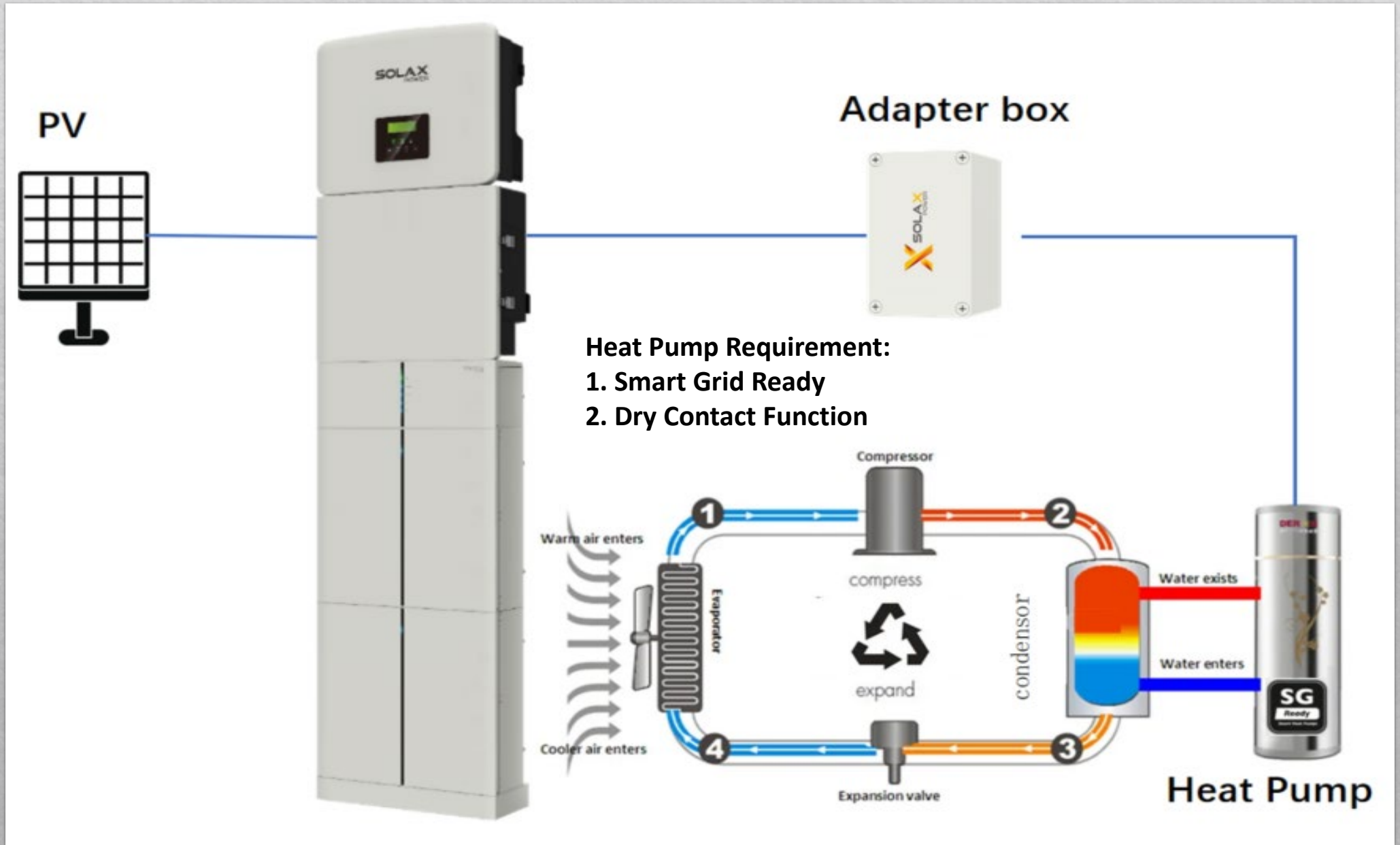


The two meters can be substitude by CTs for same function.

3. Energy Storage Parallel System Solution



4. Energy Storage & Heat Pump Solution



4. Energy Storage & Heat Pump Solution

Smart save settings:

(a) When the inverter feed-in power is greater than or equal to the setting value, the dry contacts in the adapter box are closed.

(b)When the battery has reached the setting capacity, the dry contacts are closed.

(c)When the power consumed by the load is greater than or equal to the setting value, the dry contacts are open.

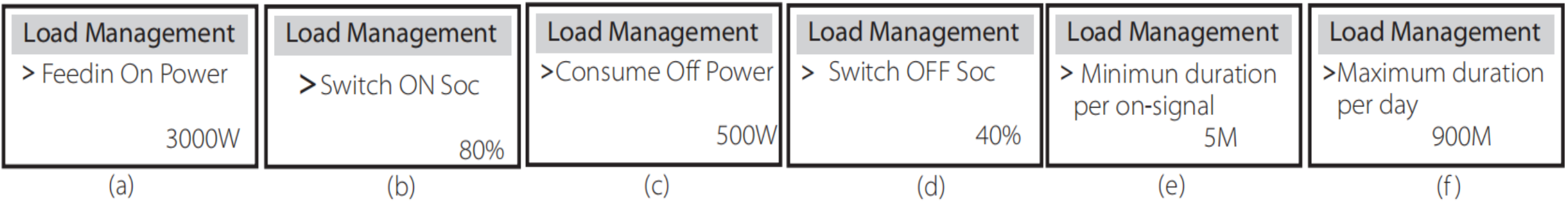
(d)When the battery capacity falls below the setting value, the dry contacts are open.

(e)The minimum duration for the dry contacts to maintain the closed state, during this time (c)/(d) will not be triggered until the end.

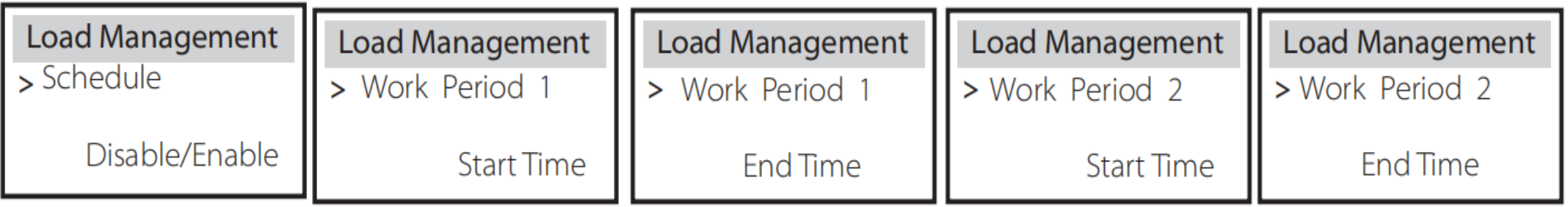
(f)The maximum duration for the dry contacts to maintain the closed state in 24 hours.(a)/(b) will not be triggered after this period of time in one day.

(g)Dry contacts are closed under the two work periods set by users while the schedule is enabled. This logic is higher than the (c)/(d) and lower than the (f).

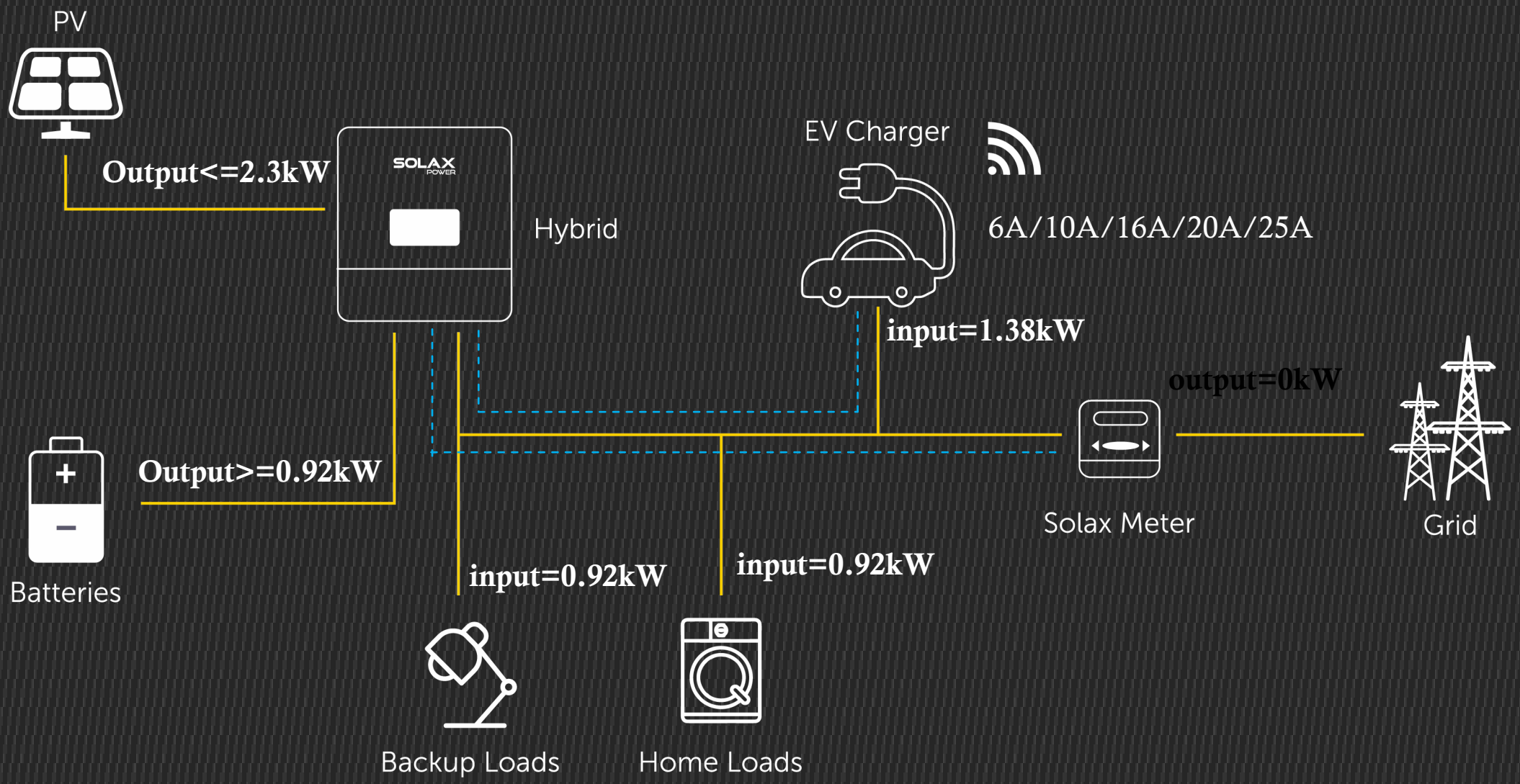
(g-1)/(g-2)/(g-3)/(g-4) You can set the power-on time and shutdown time of the heat pump. Two time periods can be set.



(a) (b) (c) (d) (e) (f)



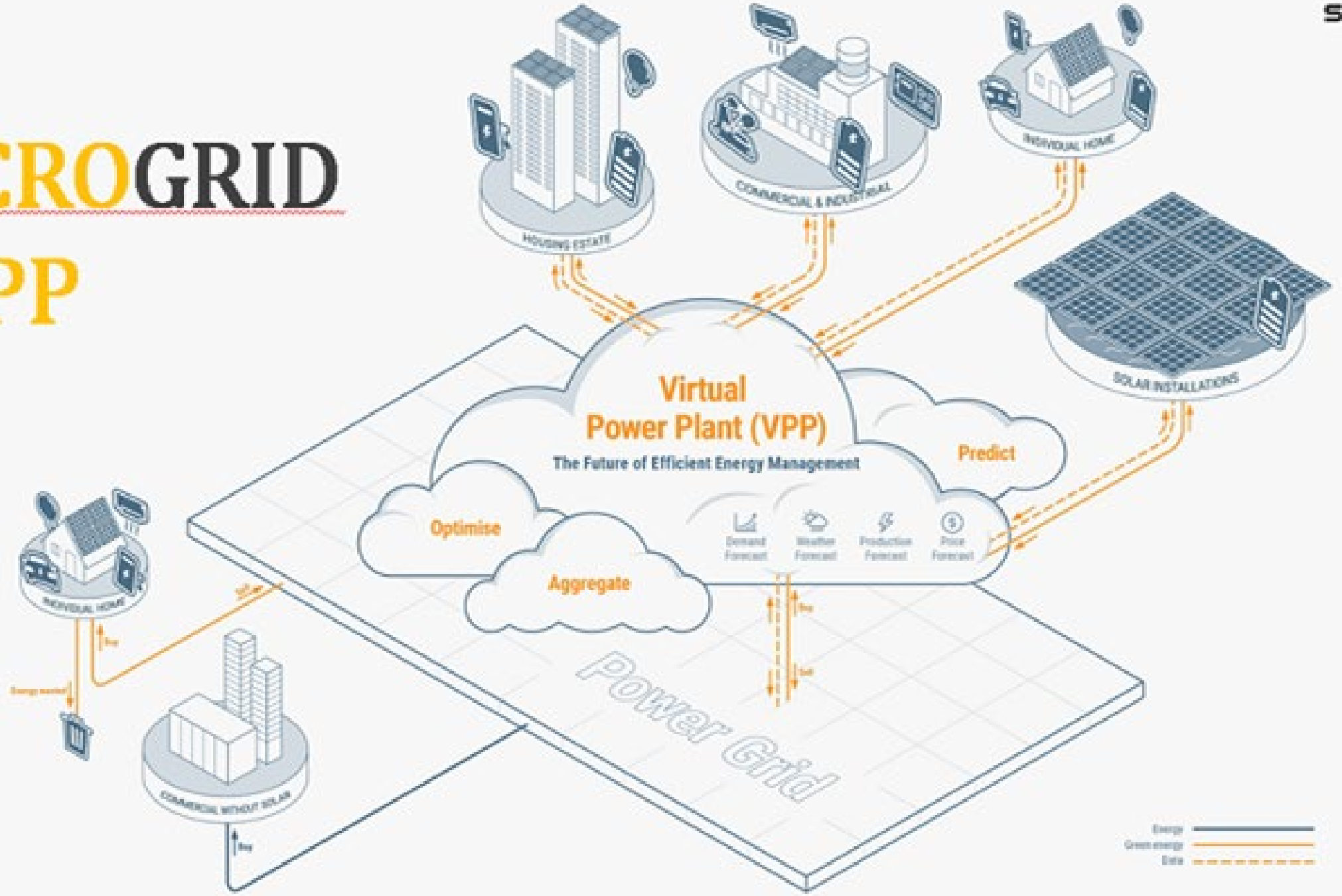
5. Energy Storage &EV Charger Solution



Part 4

VPP and Monitoring Platform

MICROGRID &VPP



VPP Application Capability and Compatible Company

Method

1. API Control
2. MODBUS Control
3. 2030.5 IEEE Platform Control (Under Development)

Compatible Company

1. Reposit
2. Evergen
3. SwitchDin
4. Social Energy

CLOUD MONITORING

solax product

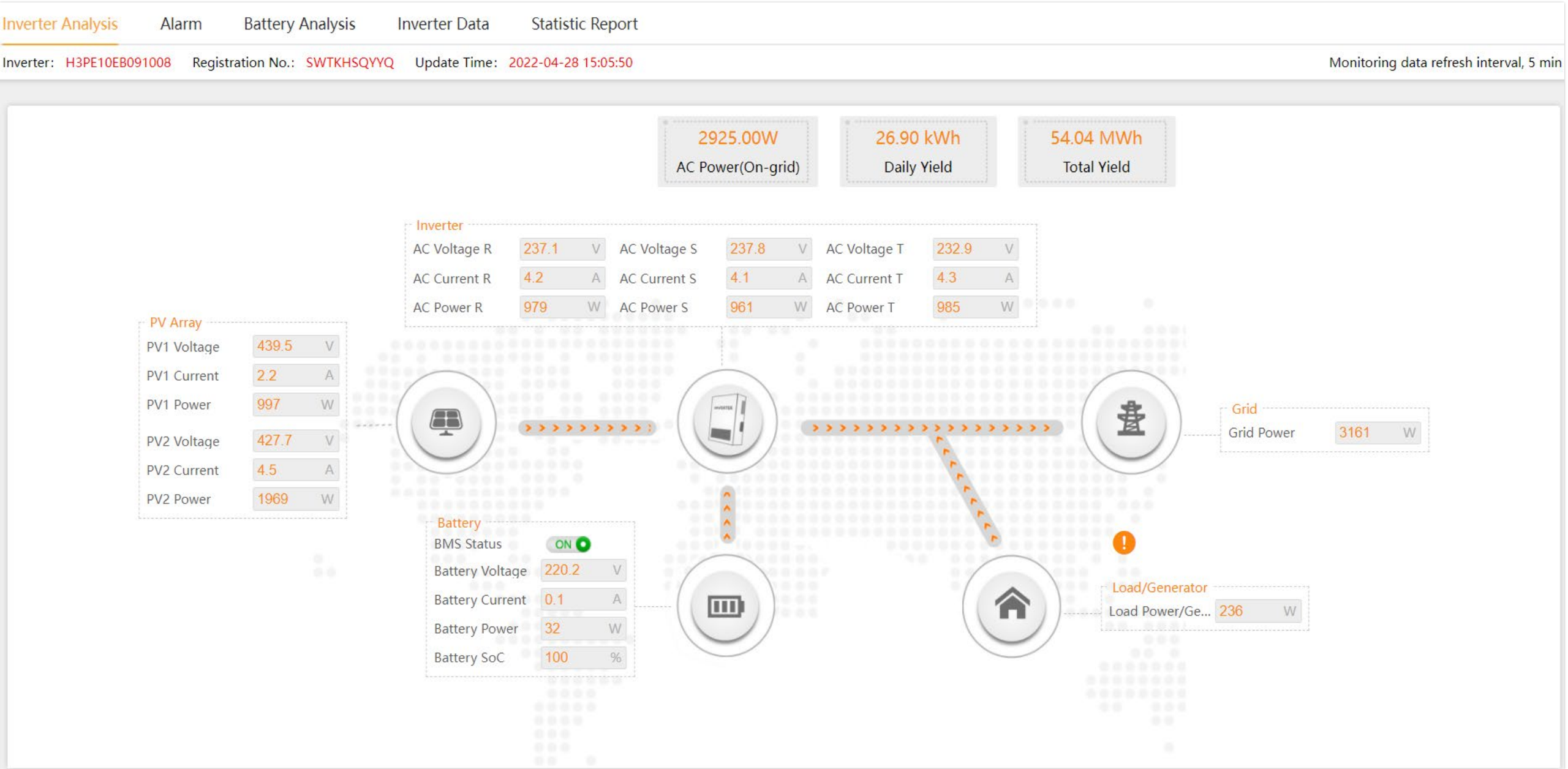
www.solaxcloud.com

APP Download

MONITORING APP

solax product

Monitoring Main Interface



514.20 kWh
Duration

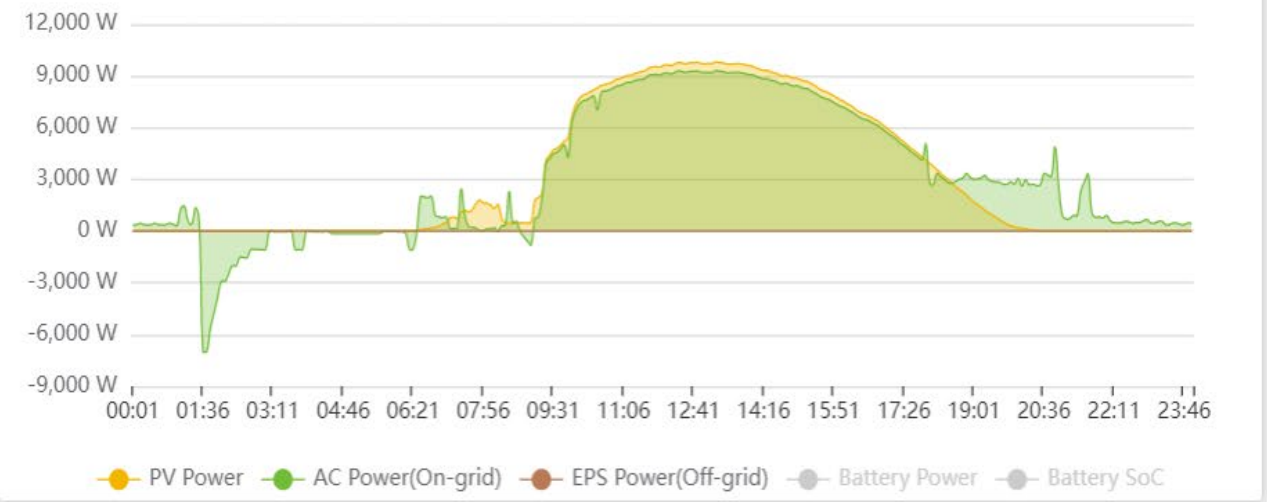
Inverter
System Power 21.6 kW

Grid
Grid Power 16.0 kW

Load/Generator
Load Power 1.5 kW

EV Charger
Connect Status Charging
Charging Power 4.1 kW
Charge Energy 0.3 Wh
Duration 00:05:26
Charge Mode ECO

Power
2022-01-09

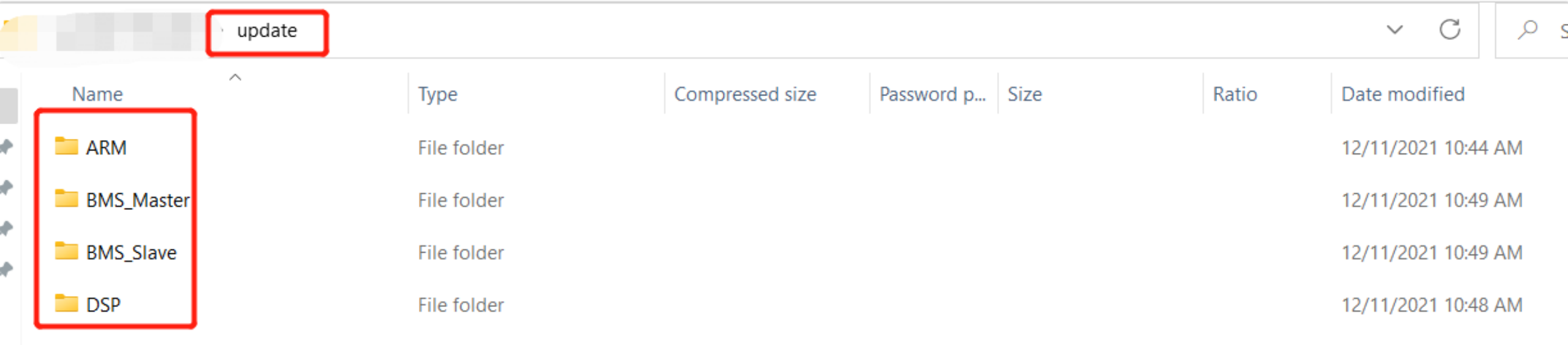


Energy Diagram
Day: 28 Month: 04 Year: 2022 All


Part 5
Firmware Upgrade
and
Trouble Shooting

Firmware Upgrade Guide

1. Creating a file name “Ůpdate” with corresponding file for each type of firmware update.
2. Put the “Update” file into a blank USB stick(USB 2.0), please making sure the size of the USB is lower than 32GB.
3. Plug the USB into the “upgrade” port under the inverter.
4. Select each item for upgrade until the screen show “Upgrade Success”.



Trouble Shooting Top 10

1. Meter Fault
2. Meter function enable or disable
3. Grid Volt Fault/ 10MIN Volt Fault
4. Stuck in Waiting
5. Relay Fault--Restart--Firmware
6. Isolation Fault
7. Temperature Over Fault
8. BMS Internal Error
9. Battery Lighting Issues
10. EPS Overload


SOLAX
POWER
Questions ?
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service@solaxpower.com

Please Scan the QR Code to Complete the Quiz