

Simple Commissioning Guide

(Step-by-Step)

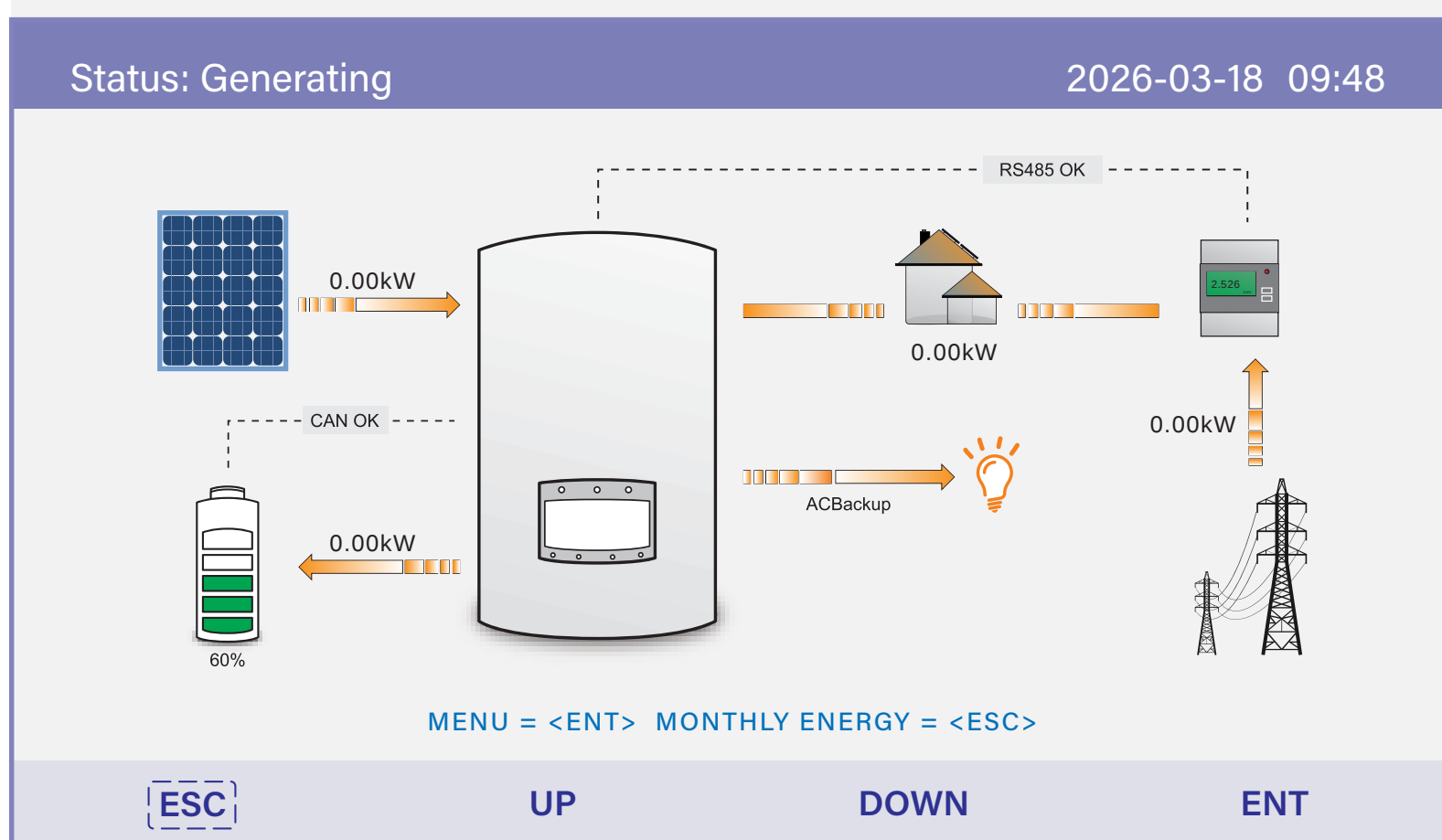
Content

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- 2 Set Country / Grid Standard
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- 7 Meter Configuration
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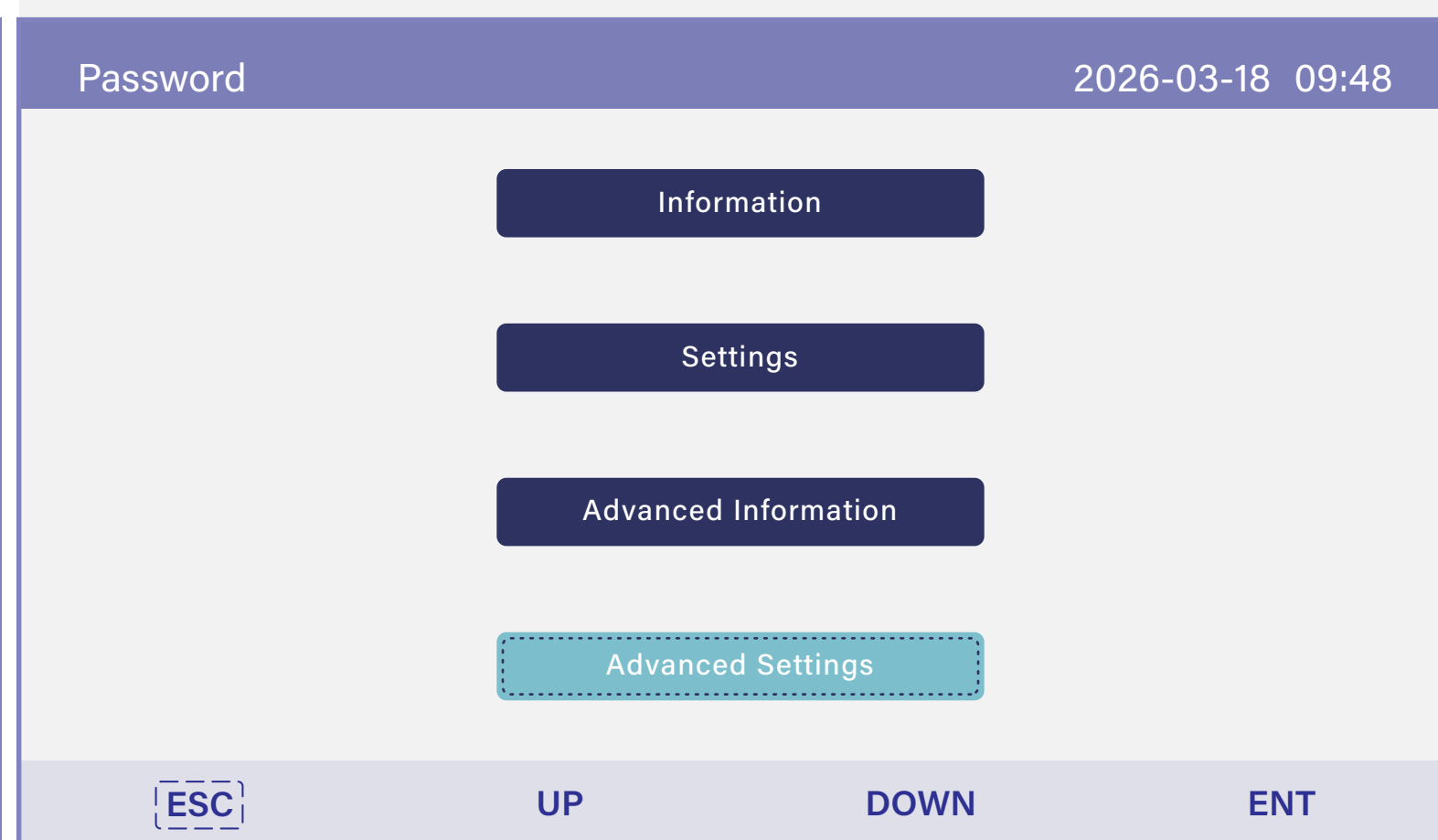


Enter Advanced Settings (ONLY ONCE)

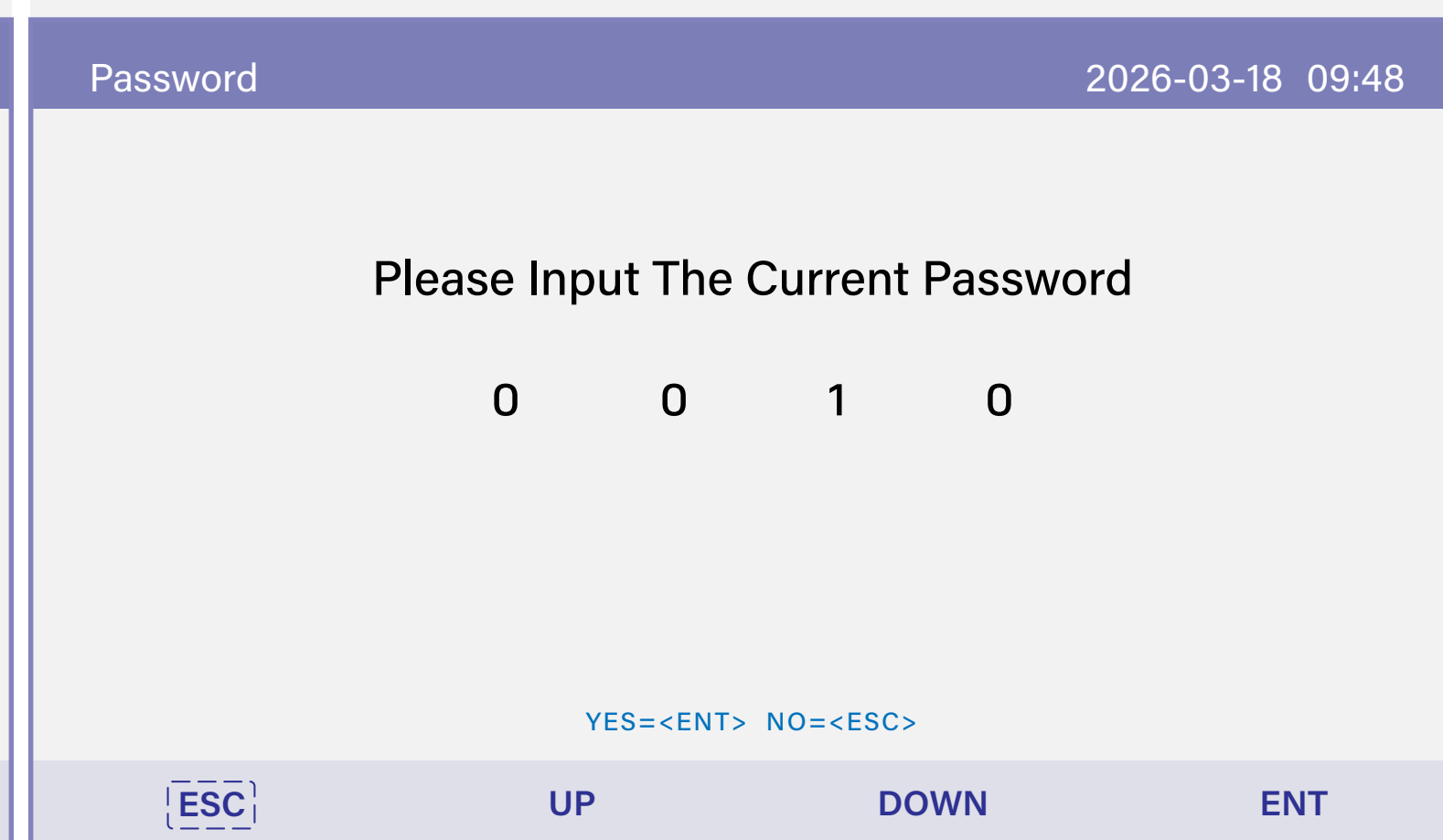
Step 1 Enter Advanced Settings



Step 2 Go to: Menu → Advanced Settings



Step 3 Enter password: 0010



Step 1 Go to: Select Standard

Advanced Settings2026-03-18 09:48

Select Standard

Export Power Set

ON/OFF

HMI Update

Calibrate

DSP Update

Reset Password

BaudRate RS485

Restrat HMI

Special Settings

Storage Energy Set

ESC

UP

DOWN

ENT

Step 2 Choose your country code

Password2026-03-18 09:48

Select Standard

G99

YES=<ENT> NO=<ESC>

ESC

UP

DOWN

ENT

Applicable Country/Region

NO.	Code in LCD	Applicable Country/Region
1	VDE4015	Germany
2	DK1	East Denmark
3	DK2	West Denmark
4	EN50438L	Applicable in some European countries
5	France	France
6	C10/11	Belgium
7	NRS097	South Africa
8	CEI-021	Italy
9	RD1699	Spain
10	EN50549	Applicable in some European countries
11	G98	UK
12	G99	UK
13	G98NI	North Ireland
14	G99NI	North Ireland
15	EN50549IE	Ireland

Step 1 Go to: Control Parameter

Advanced Settings		2026-03-18 09:48	
Select Standard	Export Power Set		
ON/OFF	HMI Update		
Calibrate	DSP Update		
Reset Password	BaudRate RS485		
Restrat HMI	Special Settings		
Storage Energy Set			
[ESC]	UP	DOWN	ENT

Step 2 Go to: Control Parameter

Storage Energy Set		2026-03-18 09:48	
Control Parameter			
Battery Select			
Meter Set			
Storage Mode Select			
Battery Wakeup			
[ESC]	UP	DOWN	ENT

Step 3 If NO backup system → Disable
If backup installed → Enable

Advanced Settings		2026-03-18 09:48	
Backup Supply:	Disable	Floating Charge:	055.0V
Backup Voltage:	230.0V	Equalizing Charge:	000.0V
Current Direction:	Charge	Battery Overvoltage:	060.0V
Battery Current:	000.0A	Battery Undervoltage:	042.0V
Charge Limitation:	000.0A	Voltage Drop:	Disable
Discharge Limitation:	000.0A		
YES=<ENT> NO=<ESC>			
[ESC]	UP	DOWN	ENT

Step 1 Go to: Storage Energy Set

Advanced Settings	2026-03-18 09:48
Select Standard	Export Power Set
ON/OFF	HMI Update
Calibrate	DSP Update
Reset Password	BaudRate RS485
Restrat HMI	Special Settings
Storage Energy Set	
[ESC]	UP DOWN ENT

Step 2 Go to: Battery Select

Storage Energy Set	2026-03-18 09:48
Control Parameter	
Battery Select	
Meter Set	
Storage Mode Select	
Battery Wakeup	
[ESC]	UP DOWN ENT

Step 3 Choose correct brand/model
(Only listed battery models are supported - list on page?)

Battery Select	2026-03-18 09:48
Battery Module: B-BOXLV	
YES=<ENT> NO=<ESC>	
[ESC]	UP DOWN ENT

Step 4 Set: Over-discharge SOC: ~20%

Battery Select	2026-03-18 09:48
OverDischarge SOC: 020%	
YES=<ENT> NO=<ESC>	
[ESC]	UP DOWN ENT

Step 5 Force charge SOC: ~10%

Battery Select	2026-03-18 09:48
Force Charge SOC: 010%	
Force Charge Limit: 300.0W	
Power Limit On: From Grid	
YES=<ENT> NO=<ESC>	
[ESC]	UP DOWN ENT

If NO Battery: Set ➔ No Battery

Brand	Model	Setting
BYD	Box Pro 2.5-13.8	Select "B-BOX"
LG Energy Solution	RESU 3.3/6.5/10/13 (CEI 0-21)	Select "LG Chem"
Pylontech	US2000(CEI 0-21)/US3000(CEI 0-21)/ ForceL1(CEI 0-21)/ForceL2(CEI 0-21)/ Phantom-S/US2000C/US3000C/UP5000	Select "Pylon"
Dyness	Powerdepot/Powerbox/B4850	Select "Dyness"
Puredrive	48V-100Ah	Select "Puredrive"
AOB OET	AOBOET Uhome-LFP 6.8kWh	Select "AoBo"
WECO	5K3-R20	Select "WECO"
Green	Home E11	Select "Green"
Soluna	4K PACK	Select "Soluna"
Highstar	HSD5870	Select "Highstar"
Freedom	Freedom Won Lite	Select "Freedom"
KODAK	FL5.2	Select "KODAK"
FOX	LV5200	Select "FOX"
UZ Energy	L051100-A	Select "CATL"
GSL	48V-100Ah	Select "GSL"
ZETARA POWER	51.2V-100Ah	Select "ZETARA"



Only battery models in the list can be selected.

Step 1 Go to: Select Standard

Advanced Settings 2026-03-18 09:48

Select Standard	Export Power Set
ON/OFF	HMI Update
Calibrate	DSP Update
Reset Password	BaudRate RS485
Restrat HMI	Special Settings
Storage Energy Set	

[ESC] UP DOWN ENT

Step 2 Go to: Storage Mode Select

Storage Energy Set 2026-03-18 09:48

Control Parameter
Battery Select
Meter Set
Storage Mode Select
Battery Wakeup

[ESC] UP DOWN ENT

Step 3 Recommended Mode: Self-Use Mode

Self Use Mode 2026-03-18 09:48

Mode:
Self-Use

YES=<ENT> NO=<ESC>

[ESC] UP DOWN ENT

Step 4 Self use Mode

Self Use Mode 2026-03-18 09:48

ON
OFF

YES=<ENT> NO=<ESC>

[ESC] UP DOWN ENT

Step 5 Time & Charging Settings

Time of use for Self use 2026-03-18 09:48

Optimal Income:	Stop		
Charge Limit:	050.0A		
Discharge Limit:	050.0A		
	HH MM HH MM HH MM		
Charge Time:	22:00----08:00	Total Time:	10:00
Discharge Time:	08:00----22:00	Total Time:	14:00
Charge Time:	00:00----00:00	Total Time:	00:00
Discharge Time:	00:00----00:00	Total Time:	00:00
Charge Time:	00:00----00:00	Total Time:	00:00
Discharge Time:	00:00----00:00	Total Time:	00:00

YES=<ENT> NO=<ESC>

[ESC] UP DOWN ENT

Step 6 Charging from grid for Self use

Charging from grid for Self use 2026-03-18 09:48

Allow
Not Allow

YES=<ENT> NO=<ESC>

[ESC] UP DOWN ENT



See Step 6, if "Charge from grid for self use" is set to "Not Allow", the inverter will not force charge the battery and the battery could potentially go to sleep mode.

Step 1 Go to: Select Standard

Advanced Settings	2026-03-18 09:48
Select Standard	Export Power Set
ON/OFF	HMI Update
Calibrate	DSP Update
Reset Password	BaudRate RS485
Restrat HMI	Special Settings
Storage Energy Set	
[ESC]	UP DOWN ENT

Step 2 Go to: Meter Set

Storage Energy Set	2026-03-18 09:48
Control Parameter	
Battery Select	
Meter Set	
Storage Mode Select	
Battery Wakeup	
[ESC]	UP DOWN ENT

Step 3 Go to: Meter Select

Meter Set	2026-03-18 09:48
Meter Select	
Meter Placement	
YES=<ENT> NO=<ESC>	
[ESC]	UP DOWN ENT

Step 4 If the default meter is Acrel ACR10R16DTE, please select the meter type as "1PH Meter".

Meter Select	2026-03-18 09:48
Meter Type: 1Ph Meter	
YES=<ENT> NO=<ESC>	
[ESC]	UP DOWN ENT

Step 5 If default is Eastron SDM120CT, select "Eastron 1PH Meter"
If another meter is used, refer to section 6.6.6.3.1 to select the meter type

Meter Select	2026-03-18 09:48
Meter Type: Eastron 1Ph Meter	
YES=<ENT> NO=<ESC>	
[ESC]	UP DOWN ENT

Step 6 Set the "meter placement" as "Grid"
If other configuration is used, please refer to section 6.6.6.3.2.

Meter Placement	2026-03-18 09:48
Install On: Grid	
YES=<ENT> NO=<ESC>	
[ESC]	UP DOWN ENT

- Step 1 Turn ON Inverter DC switch
- Step 2 Turn ON Battery breaker

Status: Generating2026-03-18 09:48

MENU = <ENT> MONTHLY ENERGY = <ESC>

ESC

UP

DOWN

ENT

Step 3 Final Checks (Information Menu)

Menu2026-03-18 09:48

Information

Settings

Advanced Information

Advanced Settings

ESC

UP

DOWN

ENT

Solar voltage & power present

Information2026-03-18 09:48

Solar Powe:00000W

Solar Voltage1:000.0V

Solar Voltage2:000.0V

Grid Voltage:000.0V

Battery Voltage:000.0V

Backup Voltage:000.0V

DRM NO.:08

Solar Current1:000.0A

Solar Current2:000.0A

Grid Power:+00000W

Grid Frequency:00Hz

Charg Power:+00000W

1/4

ESC

UP

DOWN

ENT

Battery status

Information2026-03-18 09:48

BMS Information

Module Type:No Battery

Battery Voltage:00.00V

Battery Current:000.0A

Charge Limit:000.0A

Discharge Limit:000.0A

SOC Value:000%

SOH Value:000%

BMS Status:Normal

2/4

ESC

UP

DOWN

ENT

Energy Status

Information2026-03-18 09:48

Total Energy:0000000kWh

This Year:0000000kWh

Last year:0000000kWh

This Month:0000kWh

Last Month:0000kWh

Today:0000.0kWh

Yesterday:00000.0kWh

Inverter SN:FFFFFFFFFFFFFFFF

Device Status:Generating

Battery Status:Normal

Backup Status:Normal

Grid Status:Off Grid Mode

3/4

ESC

UP

DOWN

ENT

Grid voltage

Information2026-03-18 09:48

Grid Meter

Meter Voltage:000.0V

Meter+Current:00.0A

Meter Power:+000000W

Meter Energy:0000.00kWh

Input Energy:0000.00kWh

Output Energy:0000.00kWh

PV Inverter Meter

Meter Voltage:000.0V

Meter+Current:00.0A

Meter Power:+000000W

Meter Energy:0000.00kWh

Input Energy:0000.00kWh

Output Energy:0000.00kWh

4/4

ESC

UP

DOWN

ENT

Shutdown Procedure

1. Turn off the AC isolator at the grid connection point.
2. Turn off the DC switch of the inverter.
3. Turn off the DC switch between inverter and battery.
4. Waiting for the LCD of inverter to turn off and the system shutdown is completed.

Common Mistakes

Forgetting grid standard ➡ system may not connect

Wrong meter type ➡ incorrect readings

“No battery” not selected ➡ errors

Disabling grid charge ➡ battery may sleep

Quick Troubleshooting

No production ➡ check grid standard

Wrong readings ➡ check meter type

Battery issues ➡ check battery selection

Battery sleeping ➡ enable charge from grid