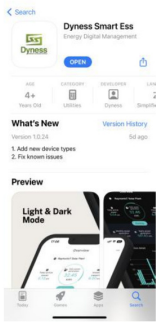


QUICKLY INSTALLATION GUIDE

DYNESS Smart ESS APP



1 Download the Dyness Smart ESS App from the App Store (iOS devices) or Google Play (Android devices).



IOS devices



Android

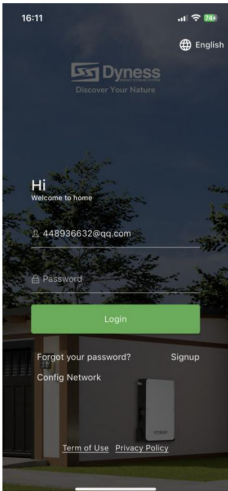
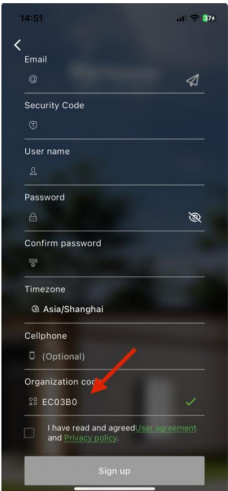
2 Registration & Login

Users who download and use Dyness Smart Ess for the first time need to register.
First, click "Sign Up", enter the registration page. Then, fill in the information to complete the registration:

- Fill in your email
Please follow the prompts to enter your email account correctly and send and fill in the verification code;
- Improve account information
If this account is the first time to register the APP client, you need to improve the account information;
Please enter your name and password, and confirm;
- Improve user information
Please follow the prompts to select the user timezone; Telephone number optional; The organization code is

EC03B0. Please check the box in the Agreement column to indicate that you have agreed to the Service Agreement and the Privacy Agreement;

Login: Fill in the correct "Username/Email" and "Password", and login to Dyness Smart Ess



3 Create Plant

Click 'Plants', and click the '...' at the top right to select 'Create Plants' to enter the power station creation

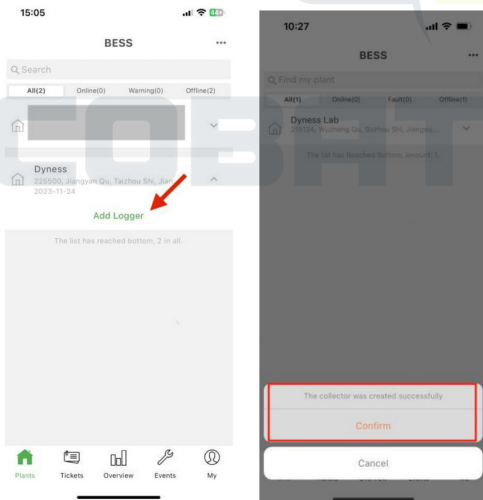


4 Fill in the information such as Business Type and Plant Type, click "Finish" to complete the creation of plant

Two screenshots of the 'Plant Information' form. The left screenshot, timestamped 16:28, shows the form with a red box highlighting the 'Business Type' (PVS), 'Plant Type' (Residential), 'Plant Name' (Please type the plant name), 'Grid Connection Type' (Full Quota), 'Location', 'Plant Photos' (0), 'Build Date' (Optional), 'kWh Income' (Optional), 'Total Cost' (Optional), 'Currency' (CNY), 'PV Capacity (kWp)' (Please enter the plant PV...), 'Plant Owner' (User 62286943), 'Plant Visitor' (Optional), 'Contact' (Optional), and 'Phone' (Optional) fields. The right screenshot, timestamped 15:01, shows the same form with a red box highlighting the 'Battery System' (Battery cluster), 'Dyness' (Dyness), 'Power plant location' (Full access to the...), 'Battery Installed Capacity (kWh)' (Please en...), and 'Plant owner' (User 62286943) fields. A red arrow points to the 'Finish' button in the top right corner of the right screenshot.

5 Add Device

Click the "Add collector" button below the power station, scan the QR code of the device to add (see Step 1 of the "WiFi Configuration" below), or enter the serial number to add, after the correct input of the serial number, the collector will be displayed as successfully added. Tip: Click "Confirm" to jump directly to the distribution network interface, see Step 2 of the "WiFi Configuration" below.

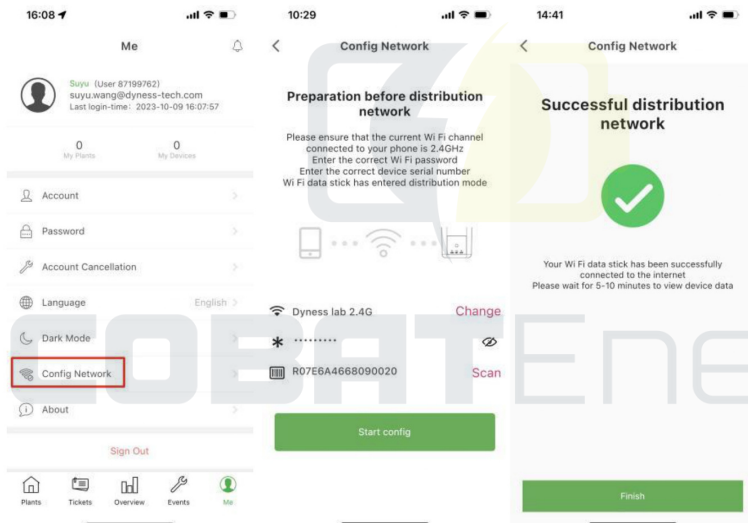


6 WiFi Configuration

Step1 : WIFI distribution network, use Dyness smart ESS app to scan the QR code in the Wi-Fi Logger label.



Step2: Open the APP and switch to the "Me" page after login, Click "Config Network", select the wireless network, enter the password, and scan the SN number of the collector to be distributed. Click the "Start Config" button to configure the network, and wait for the configuration to succeed.



7 View battery information

After successful network configuration, wait for 5~10 minutes, return to "Plants" interface, Click on the dropdown button of the collector as below, then you can see **BMS** information; click the BMS that you can see more information of the battery as below.

Plants

Find my plant

ARKID Online(3) Fault(0) Offline(4)

杭州绿洲, 番禺区科技力量, Xian Shi, Shaanxi...

SK House South Africa

泰州大泰 225500, Jiangyin Qu, Taizhou Shi, Jiangsu, ... 2023-11-24

test123 215122, Guwu Qu, Suzhou Shi, Jiangsu, China

DyinessSoftTest_JuniorBox 225500, Jiangyin Qu, Taizhou Shi, Jiangsu, ... 2023-11-14

Dyiness suzhou LV 215124, Wuzhong Qu, Suzhou Shi, Jiangsu, ...

Dyiness Suzhou 215124, Wuzhong Qu, Suzhou Shi, Jiangsu, ...

Collector R07E6A4668090028

Add Collector

The list has Reached Bottom, amount: 8.

Battery

100%

Basic Information

Bdu Serial Number: R07E6A4668090028-BDU110

Current: 0.0 A Total Pressure: 299.5 V

Battery Status: 0 Relay Status: 0

Number Of Battery Strings Per Box: 30 Number Of Single Cluster Boxes: 3.0

Device Address: 1

Charge-Discharge

SOC: 100.0 SOH: 100.0

Remaining Battery Power Rated Battery Capacity: 10.65 kWh

Suggested Charging Current: 5.5 A Suggested Discharge Current: 22.2 A

Maximum Single Pressure Value: 3.335 V Number Of Battery Cycles: 36

Minimum Single Pressure Value: 3.325 V

Temperature

Maximum Temperature Value: 22.0 °C Minimum Temperature Value: 18.0 °C

Battery: R07E6A4668090028-BDU-01

Basic Information

BMS_SN: R07E6A4668090028-BDU

PACK_SN: R07E6A4668090028-BDU-01

Current Serial Number: 1

Number Of Individual Voltages: 30

Number Of Individual Temperatures: 2.0

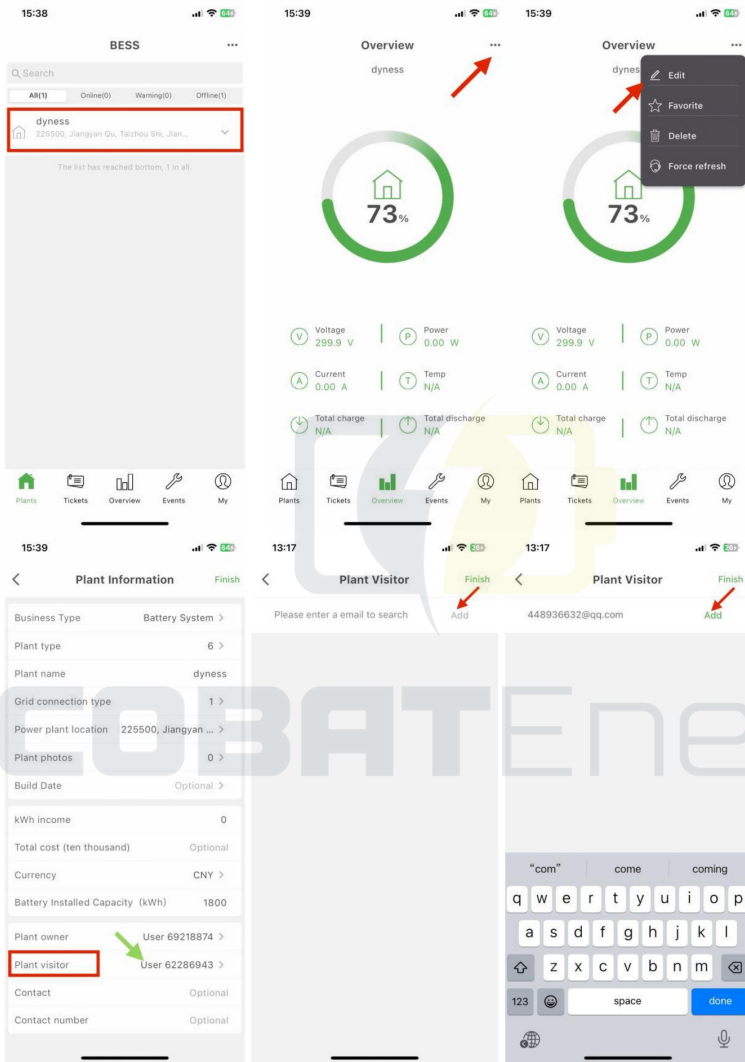
VDiff				
1	2	3	4	5
3.33 V	3.33 V	3.33 V	3.33 V	3.33 V
6	7	8	9	10
3.33 V	3.33 V	3.33 V	3.33 V	3.33 V
11	12	13	14	15
3.33 V	3.33 V	3.33 V	3.33 V	3.33 V
16	17	18	19	20
3.33 V	3.33 V	3.33 V	3.33 V	3.33 V
21	22	23	24	25
3.33 V	3.33 V	3.33 V	3.33 V	3.33 V
26	27	28	29	30
3.33 V	3.33 V	3.33 V	3.33 V	3.33 V

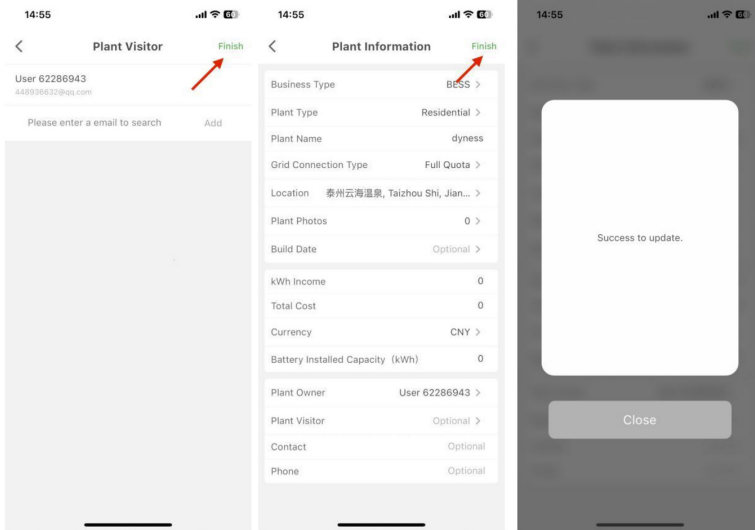
Monomer Differential Pressure 0.00 V

User authorization

Please click the "Plant Visitor" column to enter the email number of the user to be authorized and add it as shown in the figure below to authorize the user.

Select the Plant that you need to authorize--->Click "... "--->Click "Edit"--->Click the "Plant Visitor" column--->Add the user--->Click "Finish"--->Click "Finish"--->Display successful





- 9 Set data permissions for users with different roles (Only the person in charge has this permission)
Login Website: <https://server.dyness.com/index>

① **For End user**

Click "Organization"--->Click "Set of points"--->select the "End User Group" column and click "Station allocation"--->Select "BMS-Dyness- High pressure" under Assigned---> Select the information that do not want end users to see on the APP, such as the number of cycles and Click "Remove" button--->Display "Removed successfully" and you can see the one you just removed on the left



Dyness Data Dashboard / Organization / Organization

Organization

Member List Organization Information **Measurement Group** + New Group

Name

End User Group [Distribution Of Measurement Points](#)

All point sets [Distribution Of Measurement Points](#) [Modify](#) [Delete](#)

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Dyness Data Dashboard / Organization / Organization

Organization

Member List Organization Information **Measurement Group** + New Group

Name

End User Group [Distribution Of Measurement Points](#)

All point sets [Distribution Of Measurement Points](#) [Modify](#) [Delete](#)

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Dyness Data Dashboard / Organization / Organization

Distribution Of Measurement Points

Unassigned BMS / Dyness / High Volt...

Measurin g Point I D	Alarm typ e	Name
☐	10	Bda Serial Number
☐	20	Pcb Serial Number
☐	30	Boot Version Number
☐	40	Hardware Version Number
☐	50	App Version Number
☐	1000	Current
☐	1100	Total Pressure
☐	1200	Battery Status
☐	1300	Relay Status
☐	1400	SOC
☐	1500	SOH
☐	1600	Remaining Battery Power
☐	1700	Rated Battery Capacity
☐	1800	Number Of Battery Cycles

Assigned BMS / Dyness / High Volt...

Batteries > Dyness > Low Voltage Junior Box

BMS > High Voltage

Logger >

No Data

Close [Refresh](#) [Add](#)

The image displays two screenshots of the Ecobatt Dyness web interface, specifically the 'Distribution Of Measurement Points' dialog box.

Top Screenshot: The dialog is open, showing two panels: 'Unassigned' and 'Assigned'. The 'Assigned' panel is active, displaying a list of measurement points. The 'Rated Battery Capacity' (1800) is selected. A red arrow points to the 'Remove' button at the bottom right.

Bottom Screenshot: The dialog is open, showing the 'Unassigned' panel. The '1800' measurement point is selected. A red arrow points to the 'Remove' button at the bottom right. A green message box at the top center indicates 'Removed successfully'.

② For other roles, Administrator/Operation Manager/Operation and Maintenance User/Installer/General User/Marketing Staff

You need to add New group, then click "Station allocation"--->Select "BMS---Dyness--- High pressure" under Undistributed--->Select the information that want the role to see on the APP and click "Add" button--->Display "Add successfully" and you can see the one you just added on the right

Note: If you want these roles have same data permissions, then you only need to create one new group

Dyness Data Dashboard / Organization / Organization

Organization

Member List Organization Information Measurement Group [+ New Group](#)

Name
End User Group
All point sets

[Distributions Of Measurement Points](#)

[Distributions Of Measurement Points](#) [Modify](#)

[Delete](#)

Dyness Data Dashboard / Organization / Organization

Organization

Measurement Group

* Name (Default)

Please enter name

Name (Chinese)

Name (English)

Name (Portuguese)

pointGroup.groupName(cs)

pointGroup.groupName(de)

[+ New Group](#)

[Distributions Of Measurement Points](#)

[Distributions Of Measurement Points](#) [Modify](#)

[Delete](#)

Dyness Data Dashboard / Organization / Organization

Organization

Member List Organization Information Measurement Group [+ New Group](#)

Name
End User Group
All point sets

[Distributions Of Measurement Points](#)

[Distributions Of Measurement Points](#) [Modify](#)

[Delete](#)

ESG Dyness Data Dashboard / Organization / Organization

Distribution Of Measurement Points

Unassigned: BMS / Dyness / High Voltage

Batteries > Dyness > Low Voltage Junior Box High Voltage

Assigned: BMS / Dyness / High Voltage

Close Remove Add

ESG Dyness Data Dashboard / Organization / Organization

Distribution Of Measurement Points

Unassigned: BMS / Dyness / High Voltage

Assigned: BMS / Dyness / High Voltage

Close Remove **Add**

ESG Dyness Data Dashboard / Organization / Organization

Distribution Of Measurement Points

Unassigned: BMS / Dyness / High Voltage

Assigned: BMS / Dyness / High Voltage

Close Remove Add

Modify User Role, The detailed steps are as follows:

Select "Member list"--->Select the Member that you need to modify the role--->Click "Modify" under Operation---> Find "Role"---> First you need to click the old role,it's background will turn white---> Then click the role that you want to change,it's background will turn Blue--->Click "Save"--->After successful modification, you can see his new role in the role column

The screenshot displays the Dyness Data Dashboard interface. The left sidebar contains navigation options: Data Dashboard, Power Station Center, Device Center, Operation Center, Report Center, Toolbox, and Organization. The main content area shows the 'Organization' section with a 'Member List' tab highlighted. The 'Member List' table lists members with columns: Status, User Name, Name, Role, Email, and Operation. A red box highlights the 'Member List' tab, and a red arrow points to the 'Modify' link in the 'Operation' column for the user 'yanglianyu@dyness-tech.com'. The bottom screenshot shows the 'Member Information Modified' dialog box, where the 'Role' section is highlighted with a red box, and 'Administrator' is selected with a red arrow.

Status	User Name	Name	Role	Email	Operation
☒	luhuang@dyness-tech.com	柳华勤	Manager Adminstrator Operation Installer General U Marketing End User	luhuang@dyness-tech.com	Modify Transfer Organizational Delete Reset password
☒	yanglianyu@dyness-tech.com	杨立宇	Administrator	yanglianyu@dyness-tech.com	Modify Transfer Organizational Delete Reset password
☒	quxu@dyness-tech.com	邱旭	Administrator	quxu@dyness-tech.com	Modify Transfer Organizational Delete Reset password
☒	hena@dyness-tech.com	hena@dyness-tech.com	Marketing	hena@dyness-tech.com	Modify Transfer Organizational Delete Reset password
☒	raywen liang@dyness-tech.com	raywen liang	Marketing	raywen liang@dyness-tech.com	Modify Transfer Organizational Delete Reset password

The 'Member Information Modified' dialog box shows the following fields:

- Members of the same organization:
- Phone Number:
- Email:
- Role: ☒ Administrator ☐ Manager ☐ Operation Manager ☐ Operation and Maintenance User ☐ Installer ☐ General User ☐ Marketing Staff ☐ End User
- Measurement Group:

Buttons: [Save](#) [Cancel](#)

11 OTA of BMS , The detailed steps are as follows:

Select "Logger"---->Select the Logger that needs to be upgraded (the logger must be on line) --->Click "Serial Number" of BMS---->Click "OTA" ---->Find the firmware that needs to be upgraded---->Click "Upgrade Now"---->After the upgrade is completed, you can see "Device upgrade succeeded"

Note: 1.The following role types have OTA permissions: "Manager""Administrator""Operation Manager""Operation and Maintenance User""Installer";

2. when you see "Device upgrade succeeded", the internal upgrade of BMS has not been completed, and this process may last for 5-20 minutes. Please do not power off or restart the battery during this period.

The screenshot displays the Dyness Data Dashboard interface. The left sidebar shows the navigation menu with 'Logger' selected. The main area shows the 'Logger' list with columns: Status, Serial Number, Firmware Version, Signal Strength, Affiliated Power Plant, Labels, Timezone, Data Update Time, and Operation. A table lists several loggers, with the one having Serial Number R07E7A466813000D highlighted. Below this, the 'Logger Details Page' for R07E7A466813000D is shown, including basic information like Serial Number, Alias Name, Status (Online), and Firmware Version. The 'Associate Subdevices' section shows a table with columns: Status, Serial Number, Total Battery Count, Total Current(A), Avg SOC(%), Avg SOH(%), Affiliated Power Plant, Alias Name, and Data Update Time. The table lists one subdevice with Serial Number 544602251110004.

Status	Serial Number	Firmware Version	Signal Strength	Affiliated Power Plant	Labels	Timezone	Data Update Time	Operation
Online	R07E7A466813000D	RSW_14002_1_V2.01.102	100%	Dyness wudong BMS	11-17	Asia/Shanghai	2024-02-03 09:40	
Online	R07E7A4668220173	RSW_14002_1_V2.01.102	100%	Dyness wudong DL2.0	11-17	Asia/Shanghai	2024-02-03 09:38	
Online	R07E7A4668100052	RSW_14002_1_V2.01.102	100%	Dyness EMS	11-17	Asia/Shanghai	2024-02-03 09:41	
Online	R07E7A466813000D	RSW_14002_1_V2.01.95	100%	RSW	11-17	Asia/Shanghai	2024-02-03 09:39	
Online	R07E7A4668130005	RSW_14002_1_V2.01.95	100%	RSW	11-17	Asia/Shanghai	2024-02-03 09:38	
Online	R07E7A4668270014	RSW_14002_1_V2.01.102	100%	Dyness wudong LV	11-17	Asia/Shanghai	2024-02-03 09:42	

Status	Serial Number	Total Battery Count	Total Current(A)	Avg SOC(%)	Avg SOH(%)	Affiliated Power Plant	Alias Name	Data Update Time
Online	544602251110004		0A	95%	100%	Dyness		2024-02-03 09:39

Dyness

Data Dashboard

Power Station Ca

Device Center

Logger

Inverter

BESS

Operation Center

Report Center

Toolbox

Organization

Battery System Details Page

5448002231170004

Data Update Time: 2024-02-03 09:44 (Asia/Shanghai)

Alarm

Unbind

New Ticket

Config

Alias Editing

OTA

Operation Log

Basic Information

BMS_SN5448002231170004FWCK_SN5448002231170004-01Current Serial Number1

Number Of Individual Voltages30Number Of Individual Temperatures2

Single core voltage13.318 VSingle core voltage23.320 VSingle core voltage33.320 VSingle core voltage43.321 VSingle core voltage53.320 VSingle core voltage63.320 VSingle core voltage73.320 VSingle core voltage83.320 VSingle core voltage93.321 VSingle core voltage113.321 VSingle core voltage123.320 VSingle core voltage133.320 VSingle core voltage143.320 VSingle core voltage153.320 VSingle core voltage163.320 VSingle core voltage173.320 VSingle core voltage183.320 VSingle core voltage193.320 VSingle core voltage213.320 VSingle core voltage223.320 VSingle core voltage233.318 VSingle core voltage243.320 VSingle core voltage253.320 VSingle core voltage263.320 VSingle core voltage273.320 VSingle core voltage283.321 VSingle core voltage303.318 V

differential pressure of the battery0.003 V

Temperature113.70°C

Temperature213.90°C

Battery: 5448002231170004-02

Data Update Time: 2024-02-03 09:44 (Asia/Shanghai)

Unbind

fold

Dyness

Data Dashboard

Power Station Ca

Device Center

Logger

Inverter

BESS

Operation Center

Report Center

Toolbox

Organization

Battery System Details Page

4068270009

Data Update Time: 2024-02-09 13:53 (Asia/Shanghai)

Device Information

Basic Information

Bds Serial Number4068270009Total Pressure395.5 VNumber Of Battery Strings Per Box30

Charge-Discharge

SOC100Rated Battery Capacity14.2 kWhMaximum Single Pressure Value3.323 V

Temperature

Maximum Temperature Value16.3°C

Battery: 4068270009-01

Data Update Time: 2024-02-09 13:53 (Asia/Shanghai)

Basic Information

BMS_SN4068270009Total Pressure395.5 VNumber Of Individual Voltages30

OTA

Serial Number4068270009StatusOnlineData Update Time2024-02-09 13:53

Alias Name

Firmware Name

Search

Reset

Firmware NameFirmware VersionExtended InfoNoteUpdate Time

930RFE100None: does not distinguish...2024-01-23 14:01

930RFE104None: does not distinguish...2024-01-23 14:01

930RFE109None: does not distinguish...2024-01-22 13:01

930RFE109None: does not distinguish...2024-01-22 13:01

930RFE200None: does not distinguish...2024-01-22 13:01

Timeout settings for this upgrade: 15 + Minutes

Update Now

Cancel

Dyness

Data Dashboard

Power Station Ca

Device Center

Logger

Inverter

BESS

Operation Center

Report Center

Toolbox

Organization

Battery System Details Page

5448002231170004

Data Update Time: 2024-02-03 09:44 (Asia/Shanghai)

Device Information

Basic Information

Bds Serial Number5448002231170004Total Pressure298.2 VNumber Of Battery Strings Per Box30

Charge-Discharge

SOC96Rated Battery Capacity18.34 kWhMaximum Single Pressure Value3.321 V

Temperature

Maximum Temperature Value15.3°C

Battery: 5448002231170004-01

Data Update Time: 2024-02-03 09:44 (Asia/Shanghai)

Basic Information

BMS_SN5448002231170004Total Pressure298.2 VNumber Of Individual Voltages30

OTA

Serial Number5448002231170004StatusOnlineData Update Time2024-02-03 09:44

Alias Name

Firmware Name

Search

Reset

Firmware NameFirmware VersionExtended InfoNoteUpdate Time

930RFE20001None: does not distinguish...2024-01-18 15:01

930RFE105None: does not distinguish...2024-01-18 14:01

930RFE20901None: does not distinguish...2024-01-18 14:01

930RFE20003None: does not distinguish...2024-01-18 14:01

twowho_APP_231220_312231220312None: does not distinguish between sequential chips/devices2023-12-20 17:12

Timeout settings for this upgrade: 15 + Minutes

Update Now

Cancel

Last operation status

2024-02-03 09:47:29 OTA command sent to device

2024-02-03 09:47:29 Order sent to device

2024-02-03 09:49:50 Device upgrade succeeded

0786.913.321

www.ecobatenergy.ro

office@ecobatenergy.ro



Daqin New Energy Tech (Taizhou) Co., Ltd.
Address: Building 13, Kunshan Jiangyan Industrial
Park, Chenzhuang West Road, Jiangyan District,
Taizhou City, Jiangsu Province, China, 225500.
Email: Sales@dyness-tech.com
Website: www.dyness-tech.com.cn



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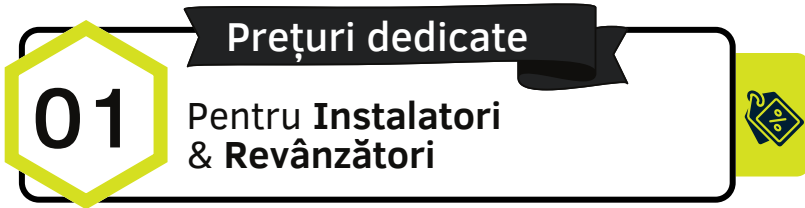
Preturi
dedicate

**Pentru Instalatori
& Revânzători**

Stoc
permanent
în România



Livrare
imediată
24 - 48 ore



Punem accent pe parteneriatele noastre și recunoaștem rolul vital pe care îl jucați în industria energiei solare.

De aceea, oferim prețuri dedicate și competitive pentru instalatori și revânzători.

Aveți avantajul de a obține produsele noastre la costuri atractive, ceea ce vă permite să maximizați profitabilitatea și să oferiți prețuri competitive clienților dumneavoastră.

Suntem aici să creștem împreună.



Avem un stoc amplu de echipamente fotovoltaice în depozitul nostru din România.

Acest lucru ne permite să vă oferim posibilitatea de a ridica produsele imediat după comandă.

Nu trebuie să vă faceți griji cu privire la disponibilitatea sau întârzierile în livrare.

Suntem aici pentru a vă asigura că aveți acces rapid la echipamentele necesare pentru proiectele dvs.

03

Livrare imediată
Livrare în 24-48 de ore
oriunde în România



Înțelegem importanța unei livrări rapide și eficiente, într-o piață din ce în ce mai concurențială.

Cunoaștem urgența cu care utilizatorul final își dorește să finalizeze proiectul.

Colaborând cu Ecobat Energy, beneficiați de livrarea comenzilor dvs. în termen de 24-48 de ore, indiferent de locația din România.

Ne angajăm să vă furnizăm produsele la timp, astfel încât să puteți continua proiectele în mod eficient.



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