



S-Miles Cloud Monitoring Platform USER MANUAL

CONTENTS

1.	Introduction	03
	1.1 Introduction	03
	1.2 System Composition	03
	1.3 Installer & Owner App/Platform	03
	1.3.1 App download	03
	1.3.2 Webpage	03
2.	About Monitoring Account	04
	2.1 Get a Hoymiles distributor/installer account	04
	2.2 Create a sub-account under my installer/distributor	04
	2.3 Change email and password	06
	2.4 Delete an account	08
	2.5 Delete an organization	08
	2.6 Transfer an installer/distributor account	09
3.	About the Plant	10
	3.1 Create plant for end users	10
	3.2 Edit plant basic information	13
	3.3 Delete a plant	13
	3.4 Update the grid profile of the inverter (deletable)	14
	3.5 Change the working mode of system	15
	3.5.1 Self-Consumption Mode	15
	3.5.2 Economical Mode	15
	3.5.3 Full Backup Mode	17
	3.5.4 Pure Off-Grid Mode	17
	3.5.5 Force Charge Mode	17
	3.5.6 Force Discharge Mode	18
	3.6 Dry Contact Configuration	18
	3.6.1 Set the working mode of the load	18
	3.6.2 Set the Alarm of Earth Fault	19
	3.6.3 Set the working mode of the Generator	19
	3.7 Reactivate the password of the end user	20
	3.8 Transfer the PV plant from the original organization to another one	20
4.	Remote Control Function	21
	4.1 Restart the DTU remotely	21
	4.2 Stop Processing Command remotely	21
	4.3 Upgrade the firmware on the DTU remotely	21
	4.4 Replace DTU serial number	22
	4.5 Check the various data of the device	22
	4.6 Turn on the inverter remotely	22
	4.7 Turn off the inverter remotely	23
	4.8 Restart the inverter remotely	23
	4.9 Restore the inverter default settings	23
	4.10 Clear the alarm of the inverter	24
	4.11 Clear the history of the inverter	24

4.12 Select the battery type	24
4.13 Upgrade the inverter firmware	25
4.14 Download the energy data(Power plant level)	25
5. About Report Download	26
5.1 Download the real-time data	26

1. Introduction

1.1 Introduction

The S-Miles Cloud (Hoymiles Monitoring Platform) is a smart PV operation monitoring and management system developed by Hoymiles specifically for installers of distributed PV power plants.

At present, the system has the Installer and the Owner versions, with the corresponding webpage and mobile application available.

This platform provides an easy-to-use procedure for accounts under monitoring. It enables installers to configure the monitored accounts quickly and provides them with power generation data of both plant and device, as well as detailed alarm information about the power plant regarding commissioning and diagnostics.

1.2 System Composition

Install our DTU, Hybrid Inverter and battery before using the monitoring system. DTU is a communication bridge which is used to collect status and operation data from inverter and transmit control commands to it. At the same time, the DTU also connects to the Internet through a router and sends hybrid inverter data to the Hoymiles Monitoring Server to achieve remote control of the whole system.

1.3 Installer & Owner App/Platform

1.3.1 App download

(1) Scan the QR code to download.





S-Miles installer (2) Search "Hoymiles" on Google Play or App Store.

novmile

S-Miles installer

S-Miles owner



S-Miles owner

1.3.2 Webpage Web: https://world.hoymiles.com

2. About Monitoring Account

2.1 Get a Hoymiles distributor/installer account

1. If you are a new distributor, send an email to service@hoymiles.com. The Hoymiles Technical Service Center will apply for an account for you.

2. If you are a new installer with Hoymiles and don't have an installer account, approach your distributor to create an account for you.

3. If you are an installer/distributor and have an installer/distributor account, you can directly create subaccounts and plants under your existing account.

2.2 Create a sub-account under my installer/distributor

1. Go to https://world.hoymiles.com/ in Google Chrome browser and log in to the S-Miles Cloud (Hoymiles Monitoring Platform) with your account.

	Login
A Enter account	
B Enter password	Ø
Remember Me	No Account ? Forgot Password

2. Select "Organization Management" under "Org & User" and click "Add Organization"

🚹 Hoymiles 🗁 Home 🕮 Plant 💥 O&M	🗵 Org & User 🛛 1.	Q @ Q ⊕ 😣 ESS_Test_Insta.
☆ / Org & User / Organization Management	R Organization Management 2.	
Organization Management	🖾 Org. User Management	
Enter org. name.	A Owner Management	3. + Add Organization

3. Fill in the organization details and click "Confirm" to complete account creation.

		Select the organization name
* Parent Organization :	Select organization	where you want to locate sub
		organization
* Name:	Enter	
* Туре:	Select	V
Country:	China	V
Region:	Select	\checkmark
Contact:	Enter	
Contact Number:	Enter	
Address:	Enter	
rganization Introduction :	Enter	

4. Select "Org. User Management" under "Org & User", select and double click the organization name you just created on the left, and then click "Add Organization Users".

🙌 Hoymiles 📾 Home 🕮 Plant	Ж о&м	🗓 Org & User	С 🧿 🗘 🌐 🔗 ESS_Test_Insta
🟠 / Org & User / Org. User Management		Organization Management	
Organization	Organizatio	🗵 Org. User Management 1.	
Enter org. name. Q	Enter acco	A Owner Management	3. Add Organization Users
2. 田 宮储能测试小组	Select	ed 0 Item(s). Clear	0

5. Fill in the details of organization user and click "Confirm" to complete account creation.

* Organization :	储能测试小组 (Dealer)			
* Login Account:	Enter			
* Password:	Enter Enter the password			
Name:	Enter			
Contact Number:	Enter			
Email:	Enter			
Default Role :	* The email address will be recommend that you enter	used to reset the pa an email address.	assword when you forg	et your password. We
Custom Role :	Sales (View only)	Sun	Spec Modbus	
				Cancel

Note:

(1) An organization can have multiple login accounts, so just select the organization name and add organization users again.

(2) Hoymiles falls under the "Device Supplier" category and has a higher and greater authority than dealers and installers. Dealers can create distributor and installer organizations, while installers can only create installer organizations.

(3) Regular users have two user-defined roles: sub-installer and normal installer. Sub-installers can only create and edit plants and issue networking command.

(4) No matter the account you are creating is a dealer or installer organization, there are two custom roles. You can only check the plant information and has no permission to edit the plant when the sales(only) is selected.
(5) Email can also be used as a login account.

2.3 Change email and password

- 1. Enter your account and password and log in the Hoymiles monitoring platform.
- 2. Select the person icon on the right and click the "Account Settings" button.



3.Click "Modify" button on the right of personal information, enter new Email, and then click "Confirm".

A Account Settings	Account Settings	
New Message	Login Account ESS_Tet_Installer03	
	Organization	
	Intercontrol vez	
	Organization User	
	Dealer	
	Personal Information Name: ESS_Test03 / Email: None / Contact Number: None	Modify
	Password	Modify
8		
Edit Basic	Information	×
Login	Account: ESS_Test_Installer03	
	* Name: ESS Test03	
l l		
	* Email: Enter	
Contact	Number: Enter	
	Cancel	Confirm

4. Click "Modify" button on the right of password, enter original password and new password, and then click "Confirm".

Account Settings	Account Settings	
3 New Message	Login Account ESS_Test_Installer03	
	Organization	
	User Type Organization User	
	User Role Dealer	
	Personal Information Name: ESS_Test03 / Email: None / Contact Number: None	Modify
	Password	Modify

Edit Basic Informat	ion	×
Login Account:	ESS_Test_Installer03	
* Original Password :	Enter	
* New Password:	Enter	
* Confirm Password :	Enter the password again	
	Cancel	Confirm

2.4 Delete an account

Select "Org. User Management" on the menu bar under "Org & User", choose the organization, and then click the "Delete" button to complete deletion.

🔒 Hoymiles 🗁 Home 🕮 Plant	X 0&M 🗐 Org & User 1.			ESS_Test_Insta.
	篇 Organization Management			
Organization	Organization III Org. User Management	2.		
Enter org. name. Q	R Owner Management		+ /	Add Organization Users
回 曾储能测试小组 3.	• Selected 0 Item(s). Clear			0
	Login Account Name	Organization Type	Creation Time	Action
		储能测试/小组 Dealer	2022-08-17	

Select "Owner Management" on the menu bar under "Org & User", choose the organization, and then click the "Delete" button to complete deletion.

📙 Hoymiles 📾 Home 🕮 Plant	Ж 0&м	🗷 Org & User 👖		Q (D)	ESS_Test_Insta
습 / Org & User / Owner Management		A Organization Management			
Organization	Owner	🖭 Org. User Management			
Enter org. name. Q	Enter accou	冬 Owner Management	2		
E 网络能测试小组 3	 Selected 	d 0 Item(s). Clear			0
	Login Acco	unt Name	Organization	Creation Time	Action 4
	R 123321	123321	储能测试小组	2022-08-26	

2.5 Delete an organization

Select "Organization Management" on the menu bar under "Org & User" and click the "Delete" button to complete deletion.

🛞 Hoymiles 🗁 Home 🕮 Plant	Ж о&м	🖲 Org & User			Q	0	¢	ESS_Test_Insta
습 / Org & User / Organization Management		R Organization Man	agement					
Organization Management		📧 Org. User Manage	ement					
Enter org. name.		冬 Owner Manageme	ent				1	+ Add Organization
Name	Тур	pe	Parent Organization	Contact	Action			
- 储能测试小组	8	Dealer	-		R 4	2 4	0	1
大秦_储能电池匹配测试小组	1	Installer	储能测试小组		R 4	2 \$	0	Z I

2.6 Transfer an installer/distributor account

Select "Organization Management" on the menu bar under "Org & User" and click "Transfer Organization". Choose the new superior organization that you want to transfer to and click "Confirm".

Hoymiles		🖽 Plant	🛪 о&м	🖪 Org & User	1							۲	SS_Test_Insta
🖒 / Org & User / C	organization Mana	agement		品 Organization N	Management	2							
Organization Manage	ment			📧 Org. User Man	agement								
Enter org. name.		Q Search		A Owner Manag	ement							+ .	Add Organization
Name			T	ype	Parent O	rganization		Contact	Actio	n			
- 储能测试小组			E	2 Dealer	8				53	ዸ∣≒	2	-	
大秦_储能电流	也匹配测试小组		10	Installer	储能测试	小组				2 4	0	>	
		Current Parent * Net	Organizatio Organizatio w Parent Org	n:大秦_储能电池 n: 储能测试小组 g.: Select organi After the organi the same time, t be transferred. F	Zation zation is trans he subordina !ease proceet	ferred, it will be linke te organization, and i d carefully."	td to the new org all plants and ow	/ janization. At ners will also	Con	firm			

3. About the Plant

3.1 Create plant for end users

1. Click "Create Plant" on the "Plant" page.

Hoymiles	品 Home	🖽 Plant	🔀 О&М	國 Org & User		۹	0	۵	۲	8 ESS_Test_Ir
′ Plant / List /	Plant List									
lant List	My Favorites	Plant Ma	р							
stem Type	✓ Plant	Status	V Plant N	ame \vee Enter plant name	Q Advanced Filter 🛛					🐵 Create Plant

2. Fill in the basic information and click "Next".



3. Click "Create Owner", fill in the owner information, and then click "Confirm".



5	Enter	Select Another Owner
* Password :	Enter the password	Ø
* Full Name:	Enter	
Contact Number:	Enter	
Email:	Enter	
	recommend that you enter an email address	s.

4. Click "Next" and "Add Device", and then fill in the DTU serial number. After that, the inverter serial number will be automatically recognized, and then click "Next".

(H) Hoymiles	🔓 Home	🖽 Plant 🔡	K O&M				۵		۵	۲	8 ESS_Test_Insta
@ / Plant / Owner											
← Owner (Test_	Office)										
	Login Account	Name	Contact Number	Email	Creation Time	Action					
	Office	Office_1			2022-08-30 17:14:25	🖪 Edit 🛛 🔒 Reset Passwo	rd A Remove				
					+ Create Owner						
					Cancel Next						
Add Device/Layout	(Test_Office)	-									
	_	🕑 De	vices	>	2 Layout Desig	n >	(3) Uplo	ad Inst	allation	n Map	
					*						
				т	here is no device in this plar	nt, please add.					
					+ Add Device						

* DTU SN: Enter SN	
	×
	Cancol

Add Device/Layout (Test_Office)

DTU	Inverter	Action
42010000001	21430000001	🖉 Edit 🗊 Delete
43010000001	+ Add Inverter	
	+ Add Device	
	Cancel Next	

5. Fill in the plant regulation information and finish the plant creation.

Plant Regulation Plant Rev	enue
	Plant Name: Test_Office
	Currency: Select V
	D Electricity Price per Unit
	Buy: Enter a number.
	Sell: Enter a number.
More Set	ting
	Cancel Complete and activate the plant

3.2 Edit plant basic information

Go to the "Plant" page and choose the plant you want to amend. Click the "Settings" button on the left side of the Plant O&M, and then edit the information you want to change.

Ç			Home	🖽 Plant					Plant O&M					×
	System Type	~]	Plant 9	Aus	Y Plant Na	ame 🗸 Er	iter plai	nt name	PI	ant Name :	储能实验室系统测试电站·单相·用户03	Capacity	7: 5 KW	
	Plant ID		Plant Name			Sta	itus	Capacity	Org	ganization :	儲能测试小组	Owne	r: ESS_Test_User03	
	53630		Test_Office				9	10kW	,	Plant Type :	Residential Plant (Single Array)	Installation Time	2022-07-07 21:34:56 (UTC-12)	
	53360		q_div1				ŝ0	12kW		Address :	浙江省杭州市拱墅区康桥街道康贤路5号			
	53340		光伏测试电站	时删除			<u>چ</u>	90kW	Cum	ent Power:	No data.			
	53330	-	储能测试电站	的随时可删除			\$P 🕗	90kW	Р	lant O&M :	Settings	A Transfe	er Plant	
	53070		杭州老化房-6	诸能系统测试电应	站01-三相-安装商03		© ¢	10kW			Advanced Settings	🗇 Delete		
			 Information 	Basic Plant N Capach Coddres	Information Lame: 建碱实验室系统网络地毯): SkW y/Region: 中国 / 浙江著 / 桃川	站-单极-用户03 11古 1116春李祥3年						Edit		
			2	Owne	r t Owner : ESS_Test_User03							Edit		
			✓ Device/Layo	out										
			t. CC	Device DTU Q Inverte	es uantity: 1 r Quantity: 1							Edit		
			✓ Smart Contr	rol Settings										
			Ō	B Batter Battery Current	ry Smart Control Intelligent control module. It Settings: Force Charge Mode							Edit		
				Dry Current	ontact Configuration fed dry contact can be used fo t Settings: None	or multiple functions						Edit		
			✓ More Setting	9										
				Plant Diectric	Regulation	icy: CNY						Edit		

3.3 Delete a plant

Go to the "Plant" page, choose the plant you want to delete, and then click the "Delete" button on the right side of the Plant O&M. To delete a plant, you will need to delete all devices under this plant firstly (refer to Section 2.2).

			🕮 Plant	Ж О&М		Plant O&M			×
습 / Plant /	/ List / Plant I	.ist 🦯	7			Plant Name :	储制影响试电站短期可预除	Capacity: 90 kW	
Plant List	My F	avorites	Plant Map			Organization :	儲能與認少相	Owner: cycychenyang	
				Plant Name 🗸		Plant Type:	Residential Plant (Single Array)	Installation Time: 2022-08-17 17:48:02 (UTC+08)	
Plant ID		Plant Name			Status	Address :	四川省成都市金牛区西安路街道通視路20号中铁弩	略艺术城	
53360		q_div1			%	Current Power:	No data.		
53340		光伏测试电站可	删除		@ ⊘	Plant O&M:	1 Settings	A Transfer Plant	
53330		储能测试电站测	时可删除		@ ⊘		E Advanced Settings	Delete	
53070		杭州老化房-儲制	临系统测试电站01-三	相-安装商03	ŵ				

3.4 Update the grid profile of the inverter (deletable)

Click "Plant" firstly, choose the plant that you want to update the grid profile, and then click the "Advanced Settings" button on the left side of the Plant O&M. You can change the parameter within the certain range after clicking the "ESS Safety Config", and then click "Confirm".

Hoymiles	合 Home	🖽 Plant	Ж 0&м	🗵 Org & User	Plant O&M					×
🛆 / Plant / List / Plan	nt List	1			Plant Name:	儲肥額成地站隨时可删除		Capacity	v: 90 kW	
Plant List My	y Favorites	Plant Map			Organization :	儲能測成小组		Owner	r: cycychenyang	
System Type			Plant Name V		Plant Type:	Residential Plant (Single Arr	ay)	Installation Time	e: 2022-08-17 17:48:02 (UTC+08)	
Plant ID	Plant Name Status				Address :	四川省成都市金牛区西安路	街道通锦路20号中铁器	看岛艺术城		
53360	3360 q_div1 ®			Current Power:	 No data. 					
53340	33340 光代期试电站可能除 👳 🔗			Plant O&M :	Plant 0&M: (\$) Settings A Transfer Plant					
53330	储能则试电站。	割时可删除		\$ O		Advanced Settings		Delete		
\$3070	A	dvanced Set	ttings d Config	ESS Safety	Config			>	<	
	Name			v	alue		Unit	Range		
		- HM ESS S	Safety		EU_EN50549	-	-			
		Safety	1							
		Safety	Nominal Volt	tage	230	V	230~230			
		Safety	Nominal Free	quency	50		Hz	50~50		
		Anti-i: Activated	slanding Func	tion	Disable	×)	-	-		
		Volta	ge Ride Throu	igh (VRT)						
		VRT F	unction Code		118			76~76		
		High	Voltage 2 (HV	2)	287.5		V	230~299		
	Maximum Trip Time (MTT)			: (MTT)	0.2		S	0.1~5		
		High	Voltage 1 (HV	1)	253		V	230~276		
		Maxin	num Trip Time	: (MTT)	600		s	0.1~100		
							C	Cancel Confir	m	

3.5 Change the working mode of system

Choose the plant where you want to change the mode of system and click the "settings". Click the "Edit" button of Battery Smart Control under Smart Control Settings. Only one control mode can be selected at a time.

Hoymiles (i Home 🕮 Plant: 🗙 O&M 📧 Org & User	९ ७ р 📾 🔗 ESS_Test_Insta.
🕜 Dashboard 🛛 😚	Devices Settings	Plant Name: 備認問以有此相應的可能的
✓ Information		
	Basic Information Plant Name: 編載問題法知識部行目前除 Capacity: 90 kW Country/Region: 中國 / 山灰質 / 伽所市 Address: [2]) 戦成離市金十区型的原件調道傳播的号中特異局艺术域	Edit
	Owner Current Owner: gegichenyang	Edit
✓ Device/Layout		
	Devices DTU Quantity: 0 Inverter Quantity: 0	Edit
Smart Control Settings	Patron favor favoral	
() •	Battery intelligent control module. Current Settings: Self-Consumption Mode	Edit

3.5.1 Self-Consumption Mode

The Self-Consumption Mode can reduce the use of grid power. Solar energy is preferentially supplied to the load, charged to the battery, and fed to the grid last. You can set Reserve Capacity within the certain range due to infrequent power outages, and then click "Save".

Self-Consumption Mode	
linimize the use of grid electricity, solar energy is preferentially supplied to the load, then charged to battery, and last fed to grid.	
Reserve Capacity	
A small amount of power can be reserved due to infrequent power outsges. (10–100)	30 %
conomical Mode	
-ull Backup Mode	
Pure Off-Grid Mode	
Force Charge Mode	
Force Discharge Mode	

3.5.2 Economical Mode

In this mode, battery charging and discharging periods need to be defined. Meanwhile, the battery can be forced to charge from the grid during the preset charging time. For instance, the battery could be charged or discharged according to valley or peak electricity prices. You can set reserve capacity within the certain range due to infrequent power outages, select the type of currency you need, and then click "Save". You can set different time periods to be more flexible to save costs of electricity. Click "Edit" to set the time period for peak, low and partial peak grid prices in different seasons or dates, but you can just add up to four time periods, and then click "Save". If you want to delete one of the time periods, just click "delete" in the top right corner and then click "Save".

elf-Consumption Mode	
iconomical Mode	
too known as Time-of-Use mode, which maximize electricity saving by shifting battery usage to avoid using grid electricity at peak hours.	
Reserve Capacity	
A small amount of power can be reserved due to infrequent power outages. (10-10)	30 %
Currency	
Select currency	GBP
Time of Use	
Set time periods for peak and valley electricity prices, and limit power and unit prices.	[1] Item(s) Selected. 🖉 Edit
ull Backup Mode	
Pure Off-Grid Mode	
orce Charge Mode	
orce Discharge Mode	
se if battery rises above safe SoC, or during commissioning.	

Start: £/kWh Buy: Start:	Mon x Tue x Fri x 21:00 Enter a number. 21:02	Wed × End: Sell:	02:00
Start: £.nkwh Buy: Start:	21:00 ③	End:	02:00
£./kWh Buy: Start:	Enter a number.	Sell:	Enter a number.
Start	21:02 ③		
		End:	06:00
£./kWh Buy:	Enter a number.	Sell:	Enter a number.
£./kWh Buy:	Enter a number.	Sell:	Enter a number.
	Sat X Sun X		
	Sat X Sun X		
Start:	18:00 ()	End:	22:30
£7kWh Buy:	Enter a number.	Sell:	Enter a number.
Start	01:00 ③	End:	06:00
£ /kWh Buy:	Enter a number.	Sell:	Enter a number.
£,/kWh Buy:	Enter a number.	Sell:	Enter a number.
	Start: E novin Buy Start: E novin Buy E novin Buy	Start Sun X Start 1800 C E.retra number. Start 0100 C E.retra number. E.retra number. E.retra number.	Sat X Sun X Start 18.00 End: 2. rolin Bugi Ender a number. Self. Start 01.00 Ender Ender 4. rolin Bugi Ender a number. Self. 5. rolin Bugi Enter a number. Self.

	Electricity rate 1
Select a time period. ⑦	01-01 🖹 To 12-31 🗒
Time Range 1	Mon X Tue X Wed X Thu X
Peak Hour	Start: 21:00 (02:00 (02:00)
	£./kwn Buy: Enter a number. Sell: Enter a number.
Off-Peak Hour	Start: 21:02 ③ End: 06:00 ③
	£/xWh Buy: Enter a number. Sell: Enter a number.
Partial-Peak Hour	£ /www Buy: Enter a number. Sell: Enter a number.
Time Range 2	Sat X Sun X
Peak Hour	Start: 18:00 (S) End: 22:30 (S)
	£/kWn Buy: Enter a number. Sell: Enter a number.
Off-Peak Hour	Start: 01:00 (06:00 (0
	£/kWh Buy: Enter a number. Sell: Enter a number.
Partial-Peak Hour	Cours Bare Frances and a Call Frances and a

3.5.3 Full Backup Mode

Full Backup Mode can be selected when the grid frequently breaks down. The battery will be forced to charge to a set capacity so that it has enough power to support the electricity consumption in daily life when you are off-grid. You can set the reserve capacity within the certain range, and then click "Save".

Battery Smart Control (语称说明试地站图时可指图例)	
Self-Consumption Mode White an of plat exclude, also energy is preferred by supplied to the total, then strengt to battery, and tot he for grid.	
Economical Mode. Assistance at Time of this index which maintee electricity samp by philosy latery sample to avoid using prot electricity as peak hours.	
Full Backup Mode Die for ana with heigene ged outges, battery only discharges during a geld outges.	
Reserve Capacity Function data was not as a status, (80–100)	80 %
Pure Off-Grid Mode Use of these is a accuss to put-	
Force Charge Mode Use fluster and SuC and any connectioning	
Force Discharge Mode Use I have vide fact, or during summationing	
Cancel Save	

3.5.4 Pure Off-Grid Mode

When this system is not connected to the grid, you can choose the pure off-grid mode and click "Save".

÷	Battery Smart Control (储能规定电站随时可能的)	
	Self-Consumption Mode Mannae the use of prior electricity, solar energy is preferentially supplied to the load, their charged to barray, and hart fed to prod.	
	Economical Mode Also losun is Time of Use mode, which maintize electricity using by philling battery usage to and using grid electricity at path hours.	
	Full Backup Mode Um for was with height glid outges, battery only distanges during a glid outges.	
	Pure Off-Grid Mode	
	Force Charge Mode Use / Europy Min Bales suff EuC or during seventiationing	
	Force Discharge Mode Um / Lartey rises does self SIC or Burling commissioning	
	Cancel Save	

3.5.5 Force Charge Mode

The Force Charge Mode can be used during commissioning of inverter or when the battery capacity falls below the value of safety SoC. You can set the value of reserve capacity within the certain range. If the battery capacity is lower than the setting, the battery will be forcibly charged. And you can set the charge power of the battery. Finally, save the values you have changed.

Self-Consumption Mode Molinitar the care of prid absoluty, solar energy is professed by supplied to the long then alwayed to know, and has hed to prid	
Economical Mode Also Interved Vise mode which meaning electricity tange by drifting bettery usage to prod using god electricity at peet Assoc	
Full Backup Mode Use for easi with respect pild undages taktery only discharges during a pild subage.	
Pure Off-Grid Mode Use of these is no solates to grid.	
Force Charge Mode Use 2 Justice Mit before safe facts or during committenting	
Reserve Capacity Faceby charge the battery to the set value, (10-10)	80 %
Charge Power The charging power of the lattery is not allowed to exceed this set value. (0-100)	50 %
Force Discharge Mode.	
Cancel Save	

3.5.6 Force Discharge Mode

The Force Discharge Mode can be used during the commissioning of inverter or when the battery capacity rises above the value of safety SoC. You can set the value of reserve capacity within the certain range. If the battery capacity is higher than the setting, the battery will be forcibly discharged. And you can set the discharge power of the battery in need. Finally, save the values you have changed.

attery Smart Control (他能力能力能力能力的能力)	
Self-Consumption Mode	
Economical Mode	
Full Backup Mode	
Pure Off-Grid Mode	
Force Charge Mode	
Force Discharge Mode	
Use if battery rises above safe SoC, or during commissioning.	
Reserve Capacity	
Foncibly discharge the battery to the set value. (10-100)	20
Discharge Power	
The discharge power of the battery is not allowed to exceed this set value. (0-100)	50
Cancel Save	

3.6 Dry Contact Configuration

Click the "Edit" button of Dry Contact Configuration under Smart Control Settings. But just one mode can be selected at a time.

() Hoymiles	습 Home B Plant X OAM B Org & User	Ф. Ø. Д. 🗐 🔒 ESS_Test_Inota.
Deshboard @	Devices O Settings	Plant Name: 建超同时地站建时可测导 🗅
✓ Information		
*	Buck Information Proteiner: @@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@	[68
2.	Owner Current Owner: - gogdengang	Edt
✓ Device/Layout		
	Devices DTN Guerthy: 0 Inverter Guerthy: 0	Est
V Smart Control Setting	gs.	
() •	Entery Search Control Entery - Intelligent control module. Convert Settings End Consumption Mode	
	Dry Contact Configuration Imagined dy contact can be used for multiple functions Content Centry Lamb Nut Asian	Edit

3.6.1 Set the working mode of the load

Disable the external alarm caused by grounding insulation resistance fault or residual current fault when the load is connected.

Earth Fault Alarm Function. Use for external alarm for grounding insulation resistance fault or residual current fault		D
Load Control Use for lead control according to individual demand		
Generator Control Use for starting the desail generator when battery SOC is tower or leads is larger under backup mode		
	Cancel Save	

3.6.2 Set the Alarm of Earth Fault

This mode is to control whether the load is working or not. There are four modes available as follows. **Time Mode:** Set the time period for the load to work. The load is turned on during this set time and turned off at other times.

Intelligent Mode: Because the energy generated by PV fluctuates a lot, this mode is to make the load avoid being turned on and off frequently. The load will only be turned on when the residual energy generated by the PV exceeds the power set by the load within the set time period. You can set the minimum run time of the load and the nominal Power of Load.

Backup Load Smart Control: The unnecessary Load will be turned off in off-grid situation when the battery capacity is lower than the set SoC value. You can set the value of protection SoC in need.

Load Control Use for load control according to individual demand	
◯ Switch Mode ⊘	
Time Range: Mon X Tue X Wed X Thu X Fri X	Time Range: Sat X Sun X
Time Period1: 00:00 (C) To 06:00 (C)	Time Period1: 00:00 ③ To 12:00 ③
Time Period2: 00:00 (C) To (07:00 (C)	Time Period2: 00:00 (C) To 15:00 (C)
Load Control	
Use for load control according to individual demand	
Switch Mode ◎	
Time Range: Mon × Tue × Wed × Thu ×	Time Range: Fri X Sat X
Time Period: 00:00 O To 17:00 O	Time Period: 00:00 ① To 12:00 ①
Load Consumption Time ③: 30 Minute (10-1440) Nominal Power of Load ③: 1.00	kW (1-9999)
Load Control	
Use for load control according to individual demand	
\bigcirc Switch Mode \odot \bigcirc Time Mode \odot \bigcirc Intelligent Mode \odot \bigcirc Backup Load Smart Control \odot	
Protection SoC ③ : 10 % (10~90)	

3.6.3 Set the working mode of the Generator

Generator Control is used when there is higher power on the load side or lower battery capacity in off-grid mode. Set the value of protection SoC in need. When the battery capacity is below the set protection SoC, the generator will work.

)
% (10~90)

3.7 Reactivate the password of the end user

Select "Org. User Management" or "Owner Management" on the menu bar under "Org & User" and click the "Reset Password" button to reset password to 123456.

Hoymiles 📾 Home 🖽 Plant	💥 О&М 國 Org & Us	ser			२	🗘 🌐 횑 ESS_Test_Insta
			_			
Organization Enter org.name. Q G G G G G G G G G G G G G G G G G G	Organization User ?	ATTENTION Are you sure you want t user (cy001jx) to: 12345	to reset the password of 6? Cancel Confirm		(+ Add Organization Users
LIP (VAROLIELIOIOPUBLICA) (** L	Login Account	Name	Organization 储能测试小组	Type Dealer	Creation Time 2022-08-17	Action

3.8 Transfer the PV plant from the original organization to another one

Go to the "Plant" page, select "Plant O&M", click "Transfer Plant", choose the new organization that you want to transfer to, and then click "Confirm".

Ş			🖽 Plant				Plant O&M					×
	습 / Plant / Lis	t / Plant List					Plant 1	Name: ≯	光伏测试电站可删除		Capacity: 90 kW	
	Plant List	My Favorites	Plant Maj	p			Organiz	ation: 🚳	讓能測這小但		Owner: cycychenyang	
				V Plant Nar	me 🗸 Enter plan		Plant	Type: R	Residential Plant (Single Array)	In	istallation Time: 2022-08-17 17:51:57 (UTC+08)	
	Plant ID	Plant N	ame		Status	Capacity	Ad	dress: [四川省成都市青羊区府南街道东方家园(裕会	全城店) 钢度	加工点	
	53360	q_div1			90	12kW	Current F	Power: «	No data.			
	53340	光伏测试	此电站可删除		⊛ چ	90kW	Plant	08/M:	Settings		A Transfer Plant	
	53330	(\$1839))	(电站随时可删除		49 \Theta	90kW			番 Networking		Power Adjustment	
	53070	杭州老(k房-储船系统测试电站	501-三相-安装商03	æ 🕗	10kW			Delete			
θ	Hoymiles	台 Home	🕮 Plant	💥 0&м	🗟 Org & User	Plan	t O&M 3					×
6	/ Plant / List /	Plant List	1				Plant Name: 3	化伏测陆式电	此可删除		Capacity: 90 kW	
	Plant List	My Favorites	Plant Map				Organization: f	關節測试力	NB		Owner: cycychenyang	
				Plant Name 🗸			Plant Type: F	Residential	l Plant (Single Array)	Ir	stallation Time: 2022-08-17 17:51:57 (UTC+08)	
	Plant ID	Plant Name			Status		Address: [四川省成者	即市青羊区府南街道东方家园(裕金城古)铜防加]	E/m		
-	53360	q_div1			4		Current Power:	No data	а.	_	4	
	53340	光伏测试电站	可删除		æ (0	Plant O&M:	Ser	ttings		R Transfer Plant	
12	53330	储能测试电站	随时可删除		\$	0		and Ne	etworking		Power Adjustment	
	53070	杭州老化房-储	能系统测试电站01-三	相·安装商03				Û De	lete			
			Transfer Plant							×		
				Organization	n: 储能测试/小组							
				New Organization	n: 储能测试/小组			~				
					After the plant is tra also be transferred.	nsferred, it wi Please procee	II be associated with the new ed carefully!	organiza	ation, and the owners will			



The PV plant cannot be transferred when one owner account is used by multiple PV plants. If one of the PV plants will be transferred, please firstly remove the owner account from other PV plants.

4. Remote Control Function

4.1 Restart the DTU remotely

Click "O&M > Device List", select "DTU", choose the DTU SN, and then click "Device Maintenance > Restart".

Q	Hoym	iles Hom	e 🖽 Plant	💥 О&М	Device Maintenance			×
	습 / 081	/ / Device List / D	TU		DTU-SN:	430122010014	Creation Time: 2022-08-12 15:27:46 (UTC+08)	
	DTU	Micro	Inverter	Repeater	Plant:	杭州老化房-储能系统测试电站01-三相-	Hardware Ver.: H09.02.01	
				Enter SN		安装商03		
		DTU-SN	Status	Plant	Software Ver.:	V00.00.03		
		10F706200001	Offline	q_div1	Device Maintenance :	C Restart	Stop Processing Command	
		430122010014 🖽	Offline	杭州老化房-储能系统		♠ Firmware Upgrade	G Replace Device	
		430122010012	Offline	杭州老化房-储能系统				

4.2 Stop Processing Command remotely

Click "O&M > Device List", select "DTU", choose the DTU SN, and then click "Device Maintenance > Stop Processing Command".

			🗶 О&М	Device Maintenance)
企 / 0&M	M / Device List / D	DTU		DTU-SN :	430122010014	Creation Time: 2022-08-12 15:27:46 (UTC+08)	
DTU	Micro	Inverter	Repeater	Plant :	杭州老化房-储能系统测试电站01-三相-	Hardware Ver.: H09.02.01	
			Enter SN		安装商03		
	DTU-SN	Status	Plant	Software Ver. :	V00.00.03		
	10F706200001	Offline	q_div1	Device Maintenance :	C Restart	Stop Processing Command	
	430122010014 🖽	 Offline 	杭州老化房-储能系统;		♠ Firmware Upgrade	🛱 Replace Device	
	420122010012	Offling	拉胡李伊曼 体影发统:				

4.3 Upgrade the firmware on the DTU remotely

Click "O&M > Device List", select "DTU", choose the DTU SN, and then click "Device Maintenance > Firmware Upgrade".

H Hoym			🔉 о&м	Device Maintenance			×
습 / 0&1	M / Device List / DI	U		DTU-SN:	430122010014	Creation Time: 2022-08-12 15:27:46 (UTC+08)	
DTU	Micro	Inverter	Repeater	Plant: -	杭州老化房-储能系统测试电站01-三相-	Hardware Ver.: H09.02.01	
Select p			Enter SN		安装商03		
	DTU-SN	Status	Plant	Software Ver.:	V00.00.03		
	10F706200001	Offline	q_div1	Device Maintenance:	C Restart	Stop Processing Command	
	430122010014 🛱	Offline	杭州老化房-储能系统;		♠ Firmware Upgrade	Replace Device	
	430122010012	Offline	杭州老化房-储能系统;				

4.4 Replace DTU serial number

Click "O&M > Device List", select "DTU", choose the DTU SN, and then click "Device Maintenance > Replace Device".

H) Hoymi	iles 🔓 Hom	ne 🌐 Plant	X о&м	Device Maintenance		
☆ / O&N	M / Device List / D	DTU		DTU-SN:	430122010014	Creation Time: 2022-08-12 15:27:46 (UTC+08)
DTU	Micro	Inverter	Repeater	Plant: :	杭州老化房-储能系统测试电站01-三相-	Hardware Ver.: H09.02.01
			Enter SN		安装商03	
	DTU-SN	Status	Plant	Software Ver.:	V00.00.03	
	10F706200001	Offline	q_div1	Device Maintenance:	C Restart	Stop Processing Command
	430122010014 🛱	• Offline	杭州老化房-储能系统;		♠ Firmware Upgrade	🖙 Replace Device
	430122010012	Offline	杭州老化房-储能系统:			

4.5 Check the various data of the device

Go to the PV plant page and click "More" or "Energy Storage Inverter".



4.6 Turn on the inverter remotely

Click "O&M > Device List", select "Inverter", choose the Inverter SN, and then click "Device Maintenance > Turn On".

θ					💥 О&М	Inverter SN :	200422270003		Creation Time: 2022-08-12 11:25:49 (UTC+08)
命	/ 0&M	/ Device List /	Inverter			Plant:	杭州老化房-儲能系统测试电站01-单相-		Hardware Ver.: -
	DTU	Micro	Inverte	er	Repeater		安装商03		
						Software Ver. (System) :	V00.02.08	Softw	vare Ver. (Power): V01.02.13
		Inverter SN	Status	Plant		Software Ver. (Safety):	V01.02.09		
		214322200003		杭州老化》	9-储能系统测试电站01	- Device Maintenance:	Turn On		() Turn Off

4.7 Turn off the inverter remotely

Click "O&M > Device List", select "Inverter", choose the Inverter SN, and then click "Device Maintenance > Turn off".

Hoymiles	命 Home	🖽 Plant	🗶 0&м	Inverter SN :	200422270003	Creation Time: 2022-08-12 11:25:49 (UTC+08)
@ / O&M / De	vice List / Inverter			Plant:	杭州老化房-储能系统测试电站01-单相-	Hardware Ver.: -
DTU	Micro Inve	erter	Repeater		安装商03	
		v	Enter SN	Software Ver. (System):	V00.02.08	Software Ver. (Power): V01.02.13
Inverte	r SN Status	Plant		Software Ver. (Safety):	V01.02.09	
214322	200003	杭州老化房	-储能系统测试电站01-	Device Maintenance:	🕚 Turn On	U Turn Off

4.8 Restart the inverter remotely

Click "O&M > Device List", select "Inverter", choose the Inverter SN, and then click "Device Maintenance > Restart".

🕞 Hoymiles 🔓 Home 🕮 Plant	🗶 оам	Inverter SN :	200422270003	Creation Time: 2022-08-12 11:25:49 (UTC+08)
☆ / O&M / Device List / Inverter		Plant:	杭州老化房-储能系统测试电站01-单相-	Hardware Ver.: -
DTU Micro Inverter	Repeater		安装商03	
Select plant	Enter SN	Software Ver. (System) :	V00.02.08 S	oftware Ver. (Power): V01.02.13
Inverter SN Status Plant		Software Ver. (Safety) :	V01.02.09	
214322200003 杭州老化师	号-储能系统测试电站01-	Device Maintenance:	🕑 Turn On	() Turn Off
200422270003 杭州老化5	9-储能系统测试电站01-		C Restart	🔁 Restore Default Settings

4.9 Restore the inverter default settings

Click "O&M > Device List", select "Inverter", choose the Inverter SN, and then click "Device Maintenance > Restore Default Settings".

Θ	Hoymi	l es 🛱 Hor	me 4	🗄 Plant	🗶 О&М	Inverter SN :	200422270003	Creation Time: 2022-08-12 11:25:49 (UTC+08)
ĥ	} / 0&M	/ Device List /	Inverter	/		Plant :	杭州老化房-储能系统测试电站01-单相-	Hardware Ver.: -
	DTU	Micro	Inverte	er	Repeater		安装商03	
					Enter SN	Software Ver. (System):	V00.02.08	Software Ver. (Power): V01.02.13
		Inverter SN	Status	Plant		Software Ver. (Safety):	V01.02.09	
		214322200003		杭州老化原	子储能系统测试电站01-	Device Maintenance:	🕚 Turn On	() Turn Off
_		200422270003		杭州老化房	-储能系统测试电站01-		C Restart	Restore Default Settings

4.10 Clear the alarm of the inverter

Click "O&M > Device List", select "Inverter", choose the Inverter SN, and then click "Device Maintenance > Clear Alarm".

(H) Hoymi	iles 🔓 Hoi	me 🧍	∄ Plant	💥 О&М	Device Maintenance		
	1 / Device List /	Inverter			Inverter SN :	200422270003	Creation Time: 2022-08-12 11:25:49 (UTC+08)
DTU	Micro	Inverte	er	Repeater	Plant:	杭州老化房-储能系统测试电站01-单相-	Hardware Ver.: -
				Enter SN		安装商03	
	Inverter SN	Status	Plant		Software Ver. (System):	V00.02.08	Software Ver. (Power): V01.02.13
	214322200003		杭州老化房	8-储能系统测试电站01-	Software Ver. (Safety):	V01.02.09	
	200422270003		杭州老化房	丹储能系统测试电站01-	Device Maintenance:	🕚 Turn On	U Turn Off
	214322190011		成都储能数	如据测试电站-三相-用户		C Restart	Restore Default Settings
	200422270006		成都储能数	如据测试电站单相02(勿		Clear alarm	Clear History
	200422010006		储能实验室	家统测试由社-单相-田			

4.11 Clear the history of the inverter

Click "O&M > Device List", select "Inverter", choose the Inverter SN, and then click "Device Maintenance > Clear History".

			lant a	🗶 О&М	Device Maintenance		
습 / O&M / ∣	Device List / Inv	erter		1	Inverter SN :	200422270003	Creation Time: 2022-08-12 11:25:49 (UTC+08)
DTU	Micro	Inverter	Rep	eater	Plant :	杭州老化房-储能系统测试电站01-单相-	Hardware Ver.: -
				ter SN		安装商03	
Inve	erter SN S	itatus Pla	ant		Software Ver. (System):	V00.02.08	Software Ver. (Power): V01.02.13
214	322200003	- 杭	洲老化房-储能	《系统测试电站01-	Software Ver. (Safety):	V01.02.09	
200	422270003	- 杭	洲老化房-储能	紧统测试电站01-	Device Maintenance :	(Turn On	(U) Turn Off
214	322190011	- 成	諸储能数据测	试电站-三相-用户		C Restart	Restore Default Settings
200	422270006	- 成	諸储能数据测	试电站单相02(勿		Clear alarm	🗟 Clear History 🥢
	12221222	1.44	AK				

4.12 Select the battery type

Click "O&M > Device List", select "Inverter", choose the Inverter SN, and then click "Device Maintenance > Select Battery Type".

				🗶 о&м	Device Maintenance			X
					Inverter SN :	200422270003	Creation Time: 2022-08-12 11:25:49 (UTC+08)	
DTU	Micro	Invert	ter	Repeater	Plant:	杭州老化房-储能系统测试电站01-单相-	Hardware Ver.: -	
			✓ Enter SN			安装商03		
	Inverter SN	Status	Plant		Software Ver. (System) :	V00.02.08	Software Ver. (Power): V01.02.13	
	214322200003		杭州老化房	9-储能系统测试电站01-	Software Ver. (Safety): V01.02.09			
	200422270003		杭州老化房	图-储能系统测试电站01-	Device Maintenance:	() Turn On	() Turn Off	
	214322190011		成都储能数	如据测试电站-三相-用户		C Restart	Restore Default Settings	
	200422270006		成都储能数	如据测试电站单相02(勿		🕑 Clear alarm	Clear History	
	200422010006		储能实验室	图系统测试电站-单相-用		 Upload real-time data. 	Search Device	
ф °, ©	¥ 📾 💩 ¥ 🛱				~	Select Battery Type.	↔ Firmware Upgrade	

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4.13 Upgrade the inverter firmware

Click "O&M > Device List", select "Inverter", choose the inverter SN, and then click "Device Maintenance > Firmware Upgrade".

×
'C+08)

4.14 Download the energy data (Power plant level)

Click "O&M" > "Report Query" and select the PV plant type, PV plant name and specific time range.
 Click "Generate Report" and "Downland".

Energy Report		1	5								
PV String + Battery V 成都储能数据测试电站-三相·用户10 V Day V 2022-08-22 ~ 2022-08-30 Q Generate Report 上 Download											
Plant Name	Date	Energy (kWh)	Consumption (kWh)								
成都储能数据测试电站-三相-用户10	2022-08-22	28	0.9								
成都储能数据测试电站-三相-用户10	2022-08-23	24.7	0.7								
成都储能数据测试电站-三相-用户10	2022-08-24	9.2	2.8								
成都储能数据测试电站-三相-用户10	2022-08-25	19.2	5.2								
成都储能数据测试电站-三相-用户10	2022-08-26	16.5	4.2								
成都储能数据测试电站-三相-用户10	2022-08-27	4.9	4.9								
成都储能数据测试电站-三相-用户10	2022-08-28	8.1	4.7								

5. About Report Download

5.1 Download the real-time data

Go to the PV plant page and click "CSV icon".

