



Solavita Cloud(Web)

User Manual

File version-202407-V1-EN Information might be subject to change without notice during product improving.

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1. Product Description

1.1 Background

Based on the rapid development of the photovoltaic power generation industry and the increasing demand for monitoring and management of photovoltaic power stations. Through automated data collection, real-time monitoring, data analysis, and Revenue prediction functions, the photovoltaic data monitoring and operation platform can help improve the reliability, power generation efficiency, and safety of photovoltaic power plants.

1.2 Platform overview

The intelligent energy management system independently developed by Jiangsu Skyworth New Energy Technology Co., Ltd. Mainly used for distributed household grid connection and distributed household energy storage systems. Real time monitoring of power generation, power, current, voltage, and other data of grid connected systems and energy storage systems; Through data analysis and intelligent algorithms, intelligent management of photovoltaic energy storage systems can be achieved, including revenue prediction, fault identification, and parameter optimization. A software system based on advanced network interconnection, utilizing the latest information technology to achieve efficient monitoring and status information analysis.

1.3 Platform features

Diversified platforms

The system is based on a network platform, easy to operate, suitable for Intranet/Internet applications, and not limited by geography. Mobile terminals can seamlessly connect with various systems.

• High Efficiency

It can effectively locate a certain equipment in a power station in a certain area through

observation and analysis in a short period of time, and quickly inform management personnel for maintenance

• Safe and reliable

Based on distributed data storage, provide backup tools, improve password and login verification mechanisms, and enhance system security.

2. Interface

2.1 Home page

Quickly obtain summary statistics of power station equipment and monitor the conversion status of the power station in real time. Summarize information, distribution addresses, power generation status, etc., effectively promote the improvement of power generation efficiency and data analysis in power stations.

2.2 Plants List

Power plant monitoring: Real time monitoring of power plants and equipment, refined management of different types of equipment.

Information viewing: facilitates the viewing of power station and equipment information, enabling collaborative management and maintenance.

2.3 Device Management

The device management interface is an important component of the photovoltaic data monitoring and operation platform, which provides functions for managing and configuring photovoltaic power station equipment.

2.4 Alarm Management

Alarm classification: Real time alarm, historical alarm, and summary display of power plant equipment alarm data information.

Alarm processing: Quickly obtain information based on the alarm status and arrange for processing.

Alarm function: supports alarm query, notification setting, refresh setting, details, and data export.

2.5 Chart Management

Display the operational status, performance indicators, and real-time equipment data of the power plant to assist users in data analysis and decision-making.

2.6 Warranty Information

Warranty management displays equipment quality assurance information, including device name, warranty period, warranty status, etc.

2.7 System Management

The system management interface is used to manage the owner's power plant or needs to be transferred to a new installation company for further maintenance.

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3. Function Description

3.1 Login

Enter the website address(http://solavita.skyworthne.com/) in the browser, and you can enter the Solavita Could Management Platform.



3.2 Adding Power Station

Click on **[Plants list]** - **[add station]** :

olavita	⊡ B	usiness 昭 System										୧ : ପ
Home	< Ho	me Plants List ×										
Plants List	Station	Name: Please other the network	Install	od Canaci	itur:			Doutro	r station area:		rearch recet	Unfold V
Device Manager 🛛 👻	Station	Prease enter the power s	Install	eu capaci	ity.			FOWE	station area.		reset	Childia +
Alarm Management 💙	All(2)	S Communication(0) 6 Conne	cting(0)	😑 Offi	line(1)	Partial	lly Offline(1)	0	Alarm Free(1)	intermed Alarm(1) O refr	esh 土 download	+ add station
Chart Management			Comm									
Warranty Information		Station Name	unicati on	Alarm	Installed Capacity	÷	generated output	÷	system power ratio ⑦	full-load hours ⑦ 🗘	last update	Operate
System Manageme Y		Test Grid Connection ® 江苏省苏州市史丘区刻塘街首建花新村(五区	•	•	50kWp		0.0kW		0.0%	6h	2024-07-10 15:00: GMT+8	edit delete
		Testing energy storage </td <td>•</td> <td>•</td> <td>15kWp</td> <td></td> <td>0.0kW</td> <td></td> <td>0.0%</td> <td>22h</td> <td>2024-07-10 15:00: UTC+8</td> <td>edit delete</td>	•	•	15kWp		0.0kW		0.0%	22h	2024-07-10 15:00: UTC+8	edit delete
. U						1					1-2共2条 <	1 > 10 / page
Alte												

1)Add power station information:

Please follow the prompts to complete the basic information of the power station:

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station name, power station location, area, location, latitude and longitude, plant time zone, creation time, and installer. The asterisk indicates mandatory fields, while the more complete the other information is, the more conducive it is for you to manage the power station.



2) System information:

Please complete the power station system information according to the actual situation of the power station to be created: type of power station, system type (fully power connect to the grid, self-consumption, energy storage system), station installed capacity, and grid connection date.

Note: Choosing different system types will display different data dashboards. Please choose the correct system type according to the actual situation.



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system information			
* Type of power station:		* system type:	
Please select a power station type	\vee	Please select the system type	V
* station.installedCapacityKwp:		grid connection date:	
		Select date	Ë

3) Device information:

Please add the inverter SN number according to the nameplate on the on-site inverter.

e of power stati	Add	×	
ase select a pow	Device SN:	Device Name	
on.installedCap	Please Enter Device SN	Please Enter Device Name	
	Equipment Model	Device Type	
	Please Select Equipment Model	Please Select Device Type V	
	Equipment Brand	Rated Power	
vice Inform	Please Select Equipment Brand	V Please Enter Rated Power	3
Binding Device	Single/Three Phase:	MPPT Way	
binding Device	Please Select Single/Three Phase	V Please Enter MPPT Way	
vice SN	Device Location	Safe Country	
i an	Please Enter Device Location	Please Select Safe Country V	
	Safety Standar	Battery Voltage Type	
	Please Select Safety Standard	Please Select Battery Voltage Type V	
	Battery Type	Battery Mode	
	Please Select Battery Type	✓ Please Select Battery Mode ✓	

4) income information:

Please improve the remaining information according to the actual situation. The more complete the information you enter, the better it will be able to manage the power plant, including the currency unit in the revenue information.

income information		
* monetary unit:	kilowatt-hour income(unit/kWh):	
Please select the monetary unit	×]	
subsidy income(unit/kWh):	total cos(unit):	
daily payment(unit):		

5) Complete creation:

After completing the power station information, please click the OK button in the

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bottom right corner of the page to complete the creation.

3.3 Home page

[Home] - Summarize the relevant data during the monitoring and operation process of the corresponding power station based on the login account type, making it easy for you to quickly understand and use data charts to meet your global monitoring and analysis of the power station.



The status of the power station includes displays of the total number of power stations, normal power stations, abnormal power stations and faulty power station.



1) Overall power generation overview:



The overall power generation overview is a summary of all completed added power generation data in the system.





The distribution of power stations mainly displays the current location of the added power stations in a regional manner. By accurately positioning the power station position through longitude and latitude, it can support map zooming to view the status of the power station or clicking to obtain the status of the power station.

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3) Overall power generation history:



The overall power generation history is recorded based on the historical data of the power station's power generation in the current month or year. It is presented in the form of data charts for your quick understanding. It supports filtering specific power generation data history records by month/year dates.

Year/Month Filtering: Select the date filtering function in the upper right corner, which allows you to view historical power generation data from different dimensions based on the month/year. If you need to query specific months or years, you can click on the date option box to select specific months or years to view data variables.

3.4 Plants list

In the **[Power Station List]** module, the completed added power station data information can be summarized and displayed for management. It supports functions such as power station query, adding power stations, viewing power station details, editing power stations, deleting power stations, and download/refreshing power station data to meet your management and data viewing needs.

You can accurately query the power station by entering its name, installed capacity, selecting power station area, grid connection status, power station type, system type, installer, etc.

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ition Na	ame: Please enter the power station	n	Installed	Capacity:		Power stat	ion area: Please select	the power V	reset Unf	old V
(2)	Communication(0) Connect	cting(0)	😑 Offli	ne(1) 0 Partial	ly Offline(1)	🖉 Alarm Free(1)	0 Alarm(1)	O refresh	⊥ download	+ add statio
5	Station Name	Comm unicati on	Alarm	Installed Capacity	generated output	<pre>\$ system power ratio ⑦</pre>	full-load hours 🔊 🍦	last update	creation date	Operate
	Test Grid Connection ◎ 江苏省苏州市成丘区斜墙街道莲花新村(五区	•	0	50kWp	0.0kW	0.0%	6h	2024-07-10 15:30:59 GMT+8	2024-07-01 GMT+8	edit delete
	Testing energy storage ◎ 上海市青浦区金泽镇上海迎山湖船说休闲民	0	0	15kWp	0.0kW	0.0%	22h	2024-07-10 15:30:59 UTC+8	2024-07-01 utc+8	edit delete

All: All refers to the number of all power stations that have been added under the current login user's data permission

Normal communication: **Normal communication** refers to the status of the power station in which there are no offline devices present

offline: offline refers to all devices in the power station being offline

Partial offline: Partial offline refers to some devices under the power station being offline

Alarm free: Alarm free refers to the status of a power station in which there are no alarm devices present

Alarm: Alarm refers to currently some equipment in the power station being in an alarm state

download/refresh : When you need to export power station data information, you can check the corresponding power station data download or default download all data. After selecting according to your needs, click the **download** button to export the data field consistent with the data list field. Click the **refresh** button to refresh the current power plant data list, making it easier to handle some latency caching issues.

Edit: In the data operation column of the power station that has been added to the data list, an Edit button will be displayed. Click the Edit button can modify the information of the power station for easy maintenance, as shown in the figure:



delete:

In the operation column of the power station data that has been added to the data list, a **delete** button will be displayed. Clicking the **delete** button can delete the power station for easy maintenance, as shown in the figure:

Hom	ne Plants List ×										
tation	Name: Please enter the power statio		Inst	 Are you sur 	e delete this ta	sk?	area: Please select		search	reset Un	fold V
JI(2)	Communication(0) OCONNE	cting(0)	e		-605	cancel ok	larm(1)			소 download	+ add stati
	Station Name	Comm unicati on	Alarm	Installed Capacity	generated output	system power ratio ③	full-load hours 🕥 🍦	last update		creation date	Operate
	Test Grid Connection ◎ 江苏省苏州市處丘区斜續街道莲花新村(五区	•	0	50kWp	0.0kW	0.0%	6h	2024-07-10 GMT+8	15:30:59	2024-07-01 GMT+8	edit delet
	Testing energy storage ◎ 上海市青浦区金洋镇上海淀山湖船说休闲民	0	0	15kWp	0.0kW	0.0%	22h	2024-07-10 utc+8	15:30:59	2024-07-01 utc+8	edit delete
•		_						-		1-2共2条 <	1 > 107

3.5 Equipment Management

In the [Device Management] - [Device List] module, the completed device data information can be summarized and displayed for management. It supports device queries, adding devices, viewing device details, editing devices, deleting devices, and parameter settings, meeting your needs for device management and data viewing.

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Solavita	亚 🗄 Bu	siness \$2 System									۹ :: ۹ 🖣
☐ Home	< Hon	ne Device List ×									
S Plants List											
Device Manager	Device !	SN: Please Enter Device SN		Equipment Model: Plea	se Select Equipment Model V	Affiliated Power Station:	Please Select Affiliated Power	✓ search	reset		
Device List											+ add
Inverter Upgrade Alarm Management		Device SN	Equipment Model	Status	Affiliated Power Station	Update Time	Safety Standard	Safe Country		1	吴作:
Chart Management 🗸 🗸		SP00208652370317	SW050KTL-T1	Offline Status					edit	delete	Parameter settings
Warranty Information		SP00208652370318	SW050KTL-T1	Offline Status			- T- Mallan		edit	delete	Parameter settings
a ayseen manageme		SW00T050A5000001	SW050KTL-T1	Offline Status		2024-05-21 09:28:32 UTC+8			edit	delete	
Nagen		SW00T050A600000B	SW040KTL-T1	Offline Status		2024-05-21 09:39:02 UTC+8	**	-	edit	delete	Parameter settings
		SW00T050A600000F	SW050KTL-T1	Offline Status		2024-05-21 09:19:11 UTC+8	6	-	edit	delete	
		SW00T050A6000016	SW050KTL-T1	Offline Status		2024-05-21 09:22:14 UTC+8	- EB		edit	delete	Parameter settings
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Eith LL		SW00T050A6000019	SW050KTL-T1	Offline Status		2024-05-21 09:28:21 UTC+8		-	edit	delete	Parameter settings
		SW00T050A600001D	SW050KTL-T1	Offline Status		2022-05-31 13:25:10		- 38 100	edit	delete	

Accurate or ambiguous query equipment can be selected by filling in the inverter SN number, selecting the power station it belongs to, and selecting the equipment model.

Edit:

The **Edit** button will be displayed in the data operation column of the device that has been added to the data list. The **Edit** button can modify the device information for easy maintenance, as shown in the figure:

Solavita	II II Bo	ainess \$8 System								۹ χ ۵ 🚥
	< Hor	ne Device List ×								>
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Device List										+ add
Inverter Upgrade Alarm Management ~		Device SN	Equipment Model	Status	Affiliated Power Station	Update Time	Safety Standard	Safe Country		操作
🖬 Chart Management 👻		SP00208652370317	SW050KTL-T1	Offline Status			=		edit delete	Parameter settings
Warranty Information System Manageme		SP00208652370318	SW050KTL-T1	Offline Status					edit delete	Parameter settings
		SW00T050A5000001	SW050KTL-T1	Offline Status		2024-05-21 09:28:32 UTC+8	-		edit delete	Paramater settings
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		SW00T050A600000F	SW050KTL-T1	Offine Status		2024-05-21 09:19:11 UTC+8	-	-	edit delete	
		SW00T050A6000016	SW050KTL-T1	Offline Status		2024-05-21 09:22:14 UTC-8	* 3 ⁰		edit delete	
		SW00T050A6000017	SW050KTL-T1	Offline Status		2024-05-21 09:30:00 UTC-8			edit delete	
		SW00T050A6000019	SW050KTL-T1	Offline Status		2024-05-21 09:28:21 UTC-8	-	-	edit delete	
		SW00T050A600001D	SW050KTL-T1	Offline Status		2022-05-31 13:25:10 UTC+8	<i>#</i> .	-	edit delete	

delete: Delete the device information

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Solavita	🕮 🖽 Business 💱	System							۹ % ۵ 💼
	< Home Devic	e List ×							>
	Device SN: Please	e Enter Device SN	Equipment Model:	Please Select Equipment Model	Affiliated Power Station:	Please Select Attiliated Power.	v search	reset	
E Device Manager 🔺									
Device List									+ add
Inverter Upgrade Alarm Management ~	Device SN	Equipment P	Model Status	Affiliated Power Station	Update Time	Safety Standard	Safe Country		题作
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Warranty Information	G 5P0020865	52370318 SW050KTL-T	1 Offline Status			-		edit	delete Parameter settings
🤤 System Managente *	SWOOTOSC	AS000001 SW050KTL-T	1 Offline Status		2024-05-21 09:28:32 UTC+8			edit	delete Parameter settings
	Swootose	A600000B SW040KTL-T	1 Offline Status		2024-05-21 09:39:02 UTC+8		(a.)	edit	delete Parameter settings
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	Swootoso	A6000017 SW050KTL-T	1 Offline Status		2024-05-21 09:30:00 UTC+8	2.00	100	edit	delete Parameter settings
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	SW007050	A600001D SW050KTL-T	1 Offline Status		2022-05-31 13:25:10 UTC+0	- 44	-	edit	delete Parameter settings

Parameter settings:

In the data operation column of the device that has been added to the data list, a **Parameter Settings** button will be displayed. **Parameter Settings** requires entering the device password and completing verification before parameter changes can be made to the device. Modify the working status of the device by modifying parameters.

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< н	Device List ×									
Devic	e SN: Please Enter Device SN	Eq	uipment Model: Ple	ase Select Equipment Model 🗸 🗸	Affiliated Power Station:		✓ search	reset		
er										
										+
grade	Device SN	Equipment Model	Status	Affiliated Power Station	Update Time	Safety Standard	Safe Country		操	۲
ent Y	SP002086S2370317	SW050KTL-T1	Offline Status					edit	delete	Parameter set
ation	SP00208652370318	SW050KTL-T1	Offline Status			a Training		edit	delete	Parameter set
	SW00T050A5000001	SW050KTL-T1	Offline Status		2024-05-21 09:28:32 UTC+8	-		edit	delete	
	SW00T050A600000B	SWD40KTL-T1	Offline Status		2024-05-21 09:39:02 UTC+8		-	edit	delete	
	SW00T050A600000F	SW050KTL-T1	Offline Status		2024-05-21 09:19:11 UTC+8	- 6	-	edit	delete	
	SW00T050A6000016	SW050KTL-T1	Offline Status		2024-05-21 09:22:14 UTC+8	- 50		edit	delete	
	SW00T050A6000017	SW050KTL-T1	Offline Status		2024-05-21 09:30:00 UTC+8	**		edit	delete	
	SW00T050A6000019	SW050KTL-T1	Offline Status		2024-05-21 09:28:21 UTC+8		-	edit	delete	
	SW00T050A600001D	SW050KTL-T1	Offline Status		2022-05-31 13:25:10 UTC+8		-5.6 120	edit	delete	Parameter set

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S	olavita	III II Bu	siness 🛱 System			- A	6		the Lore		۹ ж ۹ 💼
	lome	< Hor	ne Device List ×					_			>
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	Nevice Manager				Device Password						
	8 Device List				Please Enter Pa	ssword					+ add
	Jarm Management V		Device SN	Equipment Model				Safety Standard	Safe Country		操作
	hart Management 🔍			SW050KTL-T1			Cancel OK	-		edit i delet	e Parameter settings
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			SW00T050A600000F	SW050KTL-T1	Offline Status		2024-05-21 09:19:11 UTC+8			edit delet	e Parameter settings
			SW00T050A6000016	SW050KTL-T1	Offline Status		2024-05-21 09:22:14 UTC+8			edit delet	e Parameter settings
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			SW00T050A600001D	SW050KTL-T1	Offline Status		2022-05-31 13:25:10 UTC+8			edit delet	e Parameter settings
	← SP002086	S23703	317								
	Type Safety Regul	lations/Pe	rip			* Year:	Select year				
	Working Mode					* Month:	Set Up 0~12 茴				
	Charging Time					* Day:	Set Up 0-31				
	Battery Configura	tion/Pow	er o			* Hour:	Set Up 0~23				
	Merger And Acqu	iisition Po	wer			* Minute:	Set Up 0-59				
						* Coconde					
						 Seconds: 					
						Read Paramete	er OK				

Equipment details: Click on the device SN number to display device details

tail Alarm Information Connection	on Information Historical Data	
_		
Basic Information		
N Number: SP002086S2370317	Inverter type: Inverter	Inverter Model: SW050KTL-T1
ated Power: 50kW	MPPT Way:	Safe Country:
afety Code:	Inverter Status: Abnormal	System Time:

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Power Generation Information						
DC Voltage Current Power			Exchange	Voltage	Current	Frequency
			R	V	A	Hz
			S	V	A	Hz
			т	V	A	Hz
Total DC Input Power: NaN kW	Total AC Output Power: NaN kW		Daily Power	Generation	: NaN kWh	
Cumulative Power Generation: NaN kWh	Total Tunning Time:h					
		- Alexandre				
Temperature Information						
Inverter Temperature∶℃						

Display alarm information, view all alarm information, query occurring alarm information and restored alarm information, and query alarm information by starting and ending alarm date.

Abnormal		2024-05-21 09:39:02 -	-		
etail Alarm Information	Connection	Information Historical	Data		
hole Occurring Re	estored				
Level: Prompt	Alarm	Alarm Start Time:	Start date → End date	Search	Reset
Alarm Name	Status	Level Plant	Alarm Start Time	Restore	e Time

To view device association information:

I () ()	usiness System			× SW0HT012B6D00002		
< Ho	meDevice List x			Abnormal 2024-07-10 09:4	2:36 UTC+8	
ц. П	SW00T050A6000042	SW050KTL-T1	Offline Status	Detail Alarm Information Connection Information Histo	orical Data	
12	SW00T050A6000043	SW050KTL-T1	Offline Status	Type/SN	Status	Data Update Time
	SW00T050A6000044	SW050KTL-T1	Offline Status	Data collector / SW18633333	Abnormal	2024-07-10 09:40:00
	SW00T050A6000054	SW050KTL-T1	Offline Status	Hybrid inverter / SW0HT01286D00002	Abnormal	2024-07-10 09:40:00
9	SW00T050A6000057	SW005KTL-T1	Offline Status			< 1 3

View historical power generation data, daily-line chart, month/year-bar chart



	Abnormal		20	24-05-21 09:2	7:30						
D	Detail Alarm Informa	ation Connect	tion Informa	ation Histo	orical Data						
	Today Month	Year Total	I <	2024							
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SWOOT	r050A6000054				Power Gener	ration					
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SW00T normal iil A	1050A6000054	Connection Info	2024-05-7	21 09:27:30 - Historical	Power Gener	ration					
SW00T normal ail A	1050A6000054	Connection Info	2024-05-, prmation	21 09:27:30 - Historical	Power Gener	ration					
SW00T normal iil A Today	Nonth Year	Connection Info	2024-05 ormation	21 09:27:30 - Historical date	Power Gener	ration					
SW00T normal iil A Today	Narm Information	Connection Info	2024-05- pormation Select	21 09:27:30 - Historical date E	Power Gener	ration					
SW00T normal iil A Today	Internation	Connection Info	2024-05- ormation Select	21 09:27:30 - Historical date	Power Gener	ation					1. 1.
SW00T normal iil A Today Wh	Information	Connection Infc	2024-05- cormation Select	21 09:27:30 - Historical date E	Power Gener	ration					h 7,000
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3.6

Alarm Management

In the [Alarm Management] - [Real-time Alarms] module, the unrecovered alarm data information of the added power station equipment can be summarized and

displayed, and the alarm information, alarm level, and belonging power station can be quickly obtained for maintenance and processing.

Solavita	亚 EBusiness 類 System	Alarm History V Real-tim	an Alarma V					۵ χ ۵ 🚥
Plants List	Alarm Name: Please Enter Alarm Name	Alarm Level:	Please Select Alarm Level	Affiliated	Power Station :		search reset Unfold∨	
Device Manager								
Real-time Alarms	Device SN	Status	Affiliated Plant		Level	Fault Information	Alarm Start Time	
Alarm History	SW0HT01286D00002	Occurring	Testing energy storage		Fault	Power Grid Loss	2024-07-10 09:45:46 UTC+8	
Warranty Information							1-1 共 1 条 <	1 > 10/page </th
🛛 System Manageme 🗸								

In the 【Alarm Management】 - 【 Alarm History】 module, the restored alarm data information of the equipment added to the power station can be summarized and displayed, and the alarm information, alarm level, and belonging power station can be quickly obtained for maintenance and processing.

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	K Ho	me Device List × Ala	rm History ×	Real-time Alarms \times				
\$	AJarm	Name: Please Enter Alarm N		Alarm Level: Pinise		H Affiliated Power Station: Please Select Affiliated Power	v search reset	Unfold V
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agement 🔺								
Alarms		Device SN	Status	Affiliated Plant	Level	Fault Information	Alarm Start Time	Restore Time
ory		SW0HT012B6D00002	Restored	Testing energy storage	Fault	Power Grid Loss	2024-07-09 11:52:35 UTC+8	2024-07-09 11:56:35 UTC+8
igement 💙		SW0HT01286D00002	Restored	Testing energy storage	Fault	The abnormal voltage of the power grid exceeds 10 minutes	2024-07-09 13:34:29 UTC+8	2024-07-09 13:36:41 UTC+8
inageme 🛩		SW0HT01286D00002	Restored	Testing energy storage	Fault	Input current imbalance	2024-07-09 13:32:42 UTC+8	2024-07-09 13:34:36 UTC+8
		SW0HT01286D00002	Restored	Testing energy storage	Fault	The abnormal voltage of the power grid exceeds 10 minutes	2024-07-09 13:32:42 UTC+8	2024-07-09 13:33:11 UTC+8
		SW0HT01286D00002	Restored	Testing energy storage	Fault	Power Grid Loss	2024-07-09 13:31:11 UTC+8	2024-07-09 13:32:42 UTC+8
		SW0HT01286D00002	Restored	Testing energy storage	Fault	Input current imbalance	2024-07-09 13:28:04 UTC+8	2024-07-09 13:28:21 UTC+8
		SW0HT01286D00002	Restored	Testing energy storage	Fault	Power Grid Loss	2024-07-09 13:20:41 UTC+8	2024-07-09 13:28:04 UTC-8
TERNE		SW0HT01286D00002	Restored	Testing energy storage	Fault	Input current imbalance	2024-07-09 13:19:01 UTC+8	2024-07-09 13:19:11 UTC+8
		SW0HT01286D00002	Restored	Testing energy storage	Fault	Input current imbalance	2024-07-09 13:16:51 UTC+8	2024-07-09 13:17:31 UTC+8
		SW0HT01286D00002	Restored	Testing energy storage	Fault	Input current imbalance	2024-07-09 13:14:43	2024-07-09 13:14:50

3.7 Chart Management

The [Chart Management] includes two sub menus: [Plant Charts] and [Device Charts].

1. Plant Charts:

The plant chart mainly refers to the data display of all equipment under a single power plant. You can search for the power station through the dropdown query of the plant name. It can display information such as DC power generation, AC power generation, daily power generation/full power generation hours, monthly power



generation/full power generation hours, cumulative power generation, etc.



1) Daily curve chart:

(On-grid system)



(energy storage system)



2) Monthly statistical chart:



User manual

Solavita

(energy storage system)

Testing energy storage	✓ Search Export I	Report		
Generating Power 0 kW	AC Generating Power 0 kW	Daily Power Generation/ Number of Hours with Full Generation 330.2 kWh/22h	Current Month Power Generation/ Number of Hours with Full Generation 0 kWh/0h	Cumulative Power Generation 330.2 kWh
ne:Testing energy storageSys	tem Type:Energy storage systeroff-li	ine	day month year to	tal < 2024-07 🗎 >
11				h 350 300
				250
				150
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	Testing energy storage	Testing energy storage V Sewith Export 1 Generating Power O kW AC Generating Power O kW re: Testing energy storage(system Type: Energy storage systeroff-1	Testing energy storage Sourch Export Report Generating Power AC Generating Power Daily Power Generation/ Number of Hours with Full Generation 0 kW 0 kW 330.2 kWh/22h re: Testing energy storage/system Type: Energy storage systeroff-line Image: Comparison of the system	Testing energy storage Search Export Report Generating Power AC Generating Power Daily Power Generation/ Number of Hours with Full Generation Current Month Power Generation/ Number of Hours with Full Generation 0 kW 0 kW 330.2 kWh/22h Current Month Power Generation/ Number of Hours with Full Generation ve: Testing energy storage/system Type: Energy storage systeroff-line day month year to

3) Annual statistical chart:

Name : Test Grid Connection	Search Export	Report			
	Expert				
DC Generating Power 18.79 kW	AC Generating Power 24.75 MW	Daily Power Generation/ Number of Hours with Full Generation 267.2 kWh/6h	Current Month Power Generation/ Number of Hours with Full Generation 0 kWh/0h	Cumulative Power Gener 33.07 MWh	ation
nt Name: Test Grid Connection Sy	stem Type: Full power connect tooff-I	line	day month year t	iotal < 2024	
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(On-grid system)





(energy storage system)

t Name: Testing energy storage	✓ Search Export R	Report			
DC Generating Power O kW	AC Generating Power 0 kW	Daily Power Generation/ Number of Hours with Full Generation 330.2 kWh/22h	Current Month Power Generation/ Number of Hours with Full Generation 0 kWh/0h	Cumulative Pov 330.2	wer Generation kWh
Plant Name:Testing energy storageSy	/stem Type: Energy storage systeroff-li	ne	day month year t	total < 202	24
kWh					h 2.100
		-			1,800
		1.15			1,50
		1990 - C.			900
					300

4) Total:

(On-grid system)

Name: Test Grid Connection	∨ Search Export I	Report		
DC Generating Power 18.79 kW	AC Generating Power 24.75 MW	Daily Power Generation/ Number of Hours with Full Generation 267.2 kWh/6h	Current Month Power Generation/ Number of Hours with Full Generation 0 kWh/0h	Cumulative Power Generation 33.07 MWh
ant Name: Test Grid Connection Sy	stem Type: Full power connect tcoff-li	ine	day month year	otal < Select date 🛱
Wh				h 12,0
		A State of the second		10,0
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				4,00
				2,0
2022	2022	2024	2025	

(energy storage system)

User manual

DC Generating Power 0 kW	AC Generating Power 0 kW	Daily Power Generation/ Number of Hours with Full Generation 330.2 kWh/22h	Current Month Number of Hours 0 k	Power Ger s with Full Wh/Oh	neration, Generati	on Cu	nulativ 33	re Power Gener 80.2 kWh	ration
ant Name: Testing energy storageS	ystem Type: Energy storage systeroff-l	ine	day	month	year	total	<	Select date	Ċ
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		and the second s							1,50
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2022	2023	2024	2025	2			202	16	0

Day/month/year/total filtering: Select the date filtering function in the upper right corner, which allows you to view historical power generation data of different dimensions based on day/month/year. If you need to query specific months or years, you can click on the date option box to select specific day/month/year to view data variables, or you can view the total power generation of the power station by total.

After the user queries the chart data, they can export the power station information. There is an export report button in the lower right corner of the chart. After clicking the export report button, the file will be saved in xls format.

DC Generating Power AC Generating Power Daily Power Generation/ Number of Hours with Full Generation/ Number of Hours with Full Generation Current Month Power Generation/ Number of Hours with Full Generation Current Month Power Generation/ Number of Hours with Full Generation 330.2 kWh/22h 0 kWh/0h Current Month Power Generation/ Number of Hours with Full Generation 330.2 kWh/22h 0 kWh/0h Current Month Power Generation/ Number of Hours with Full Generation 330.2 kWh 330.2 kWh Select dat Select dat Plant Name: Testing energy storage/system Type: Energy storage systeroff-line day month year total Select dat kv/h KVh KVh KVh KVh KVh KVh	
Plant Name: Testing energy storageSystem Type: Energy storage systeroff-line day month year total < Select dat kwh	eration
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the second se	1,000
	500

2. Device Charts

In the device charts module, inverter information can be queried through the device SN dropdown box.

It can display information such as DC power generation, AC power generation,

daily power generation, monthly power generation, and cumulative power generation of the power station.

DC Generating Power	AC Generating Power	Daily Power Generation	Current Month Power Generation	Cumulative Power Generation
29.62 kW	11.22 MW	175.2 kWh	0 kWh	27.07 MWh

The curve displayed on the device chart interface after selecting the device is based on the system template selected by the user. System template customers can choose and name the displayed data based on the type of parameter data they want to see.

DC Generating Power	DC Generating Power		Daily Power Generation			Current Month Power Generation				Cumulative Power Generation 27.07 MWh		
29.62 kW	29.62 kW 11.22 MW		175.2 kWh			0 kWh						
Device SN: SW00T050A600000F	Device Type: Inverter	da	lay	month	year	total	<	2024-05-06		>	Parameter Selection	

1) Parameter selection:

Solavita	18 🗊 Business 🛛 18 System		۹ : ۵ 🛑
ක Home	< Home Parameter Matching × Device Charts × D	evice List 🖂	,
EE Plants List	Device SN: SW007050A6000020	设备参数	×
E Device Manager		Parameter Selection	
G Aurm Management	DC Generating Power AC Generating Power 24	Generated Output Phase R Current Phase R Voltage Phase R Rower Phase S Current Phase S Voltage Phase S Power Phase T Current Phase T Voltage	Current Month Power Generation Currulative Power Generation 0 kWh 33.07 MWh
 Plant Charts Device Charts 	Device SNI: SW00T050A6000020 Device Type : Inverte	Phase T Power Grid Active Power Grid Active Power Grid Apparent Power Daily Grid Connected Monthly Grid Power Connected Power Veryly Grid Connected Total Grid Connected Yield Daily	month year total < 2024-07-18 🗇 > Parameter Selection
 Warranty Information System Manageme ~ 		Power Power Power Power Power Power Power Power Power Data Vield Total Running Time Inverter Temperature Total Apparent Power MPPT1 Voltage (V) (°C)	0
THE REPORT		NPPT1 Current (A) MPPT2 Current (A) MPPT3 Current (A) MPPT3 Current (A) MPPT3 Current (A) MPPT3 Current (A) MPPT3 Current (A) MPPT5 Voltage (V) MPPT6 Voltage (V) MPPT5 Current (A) MPPT6 Voltage (V) MPPT6 Voltage (V)	
	13 19 19 19 19 19 19 19 19 19 19 19 19 19	MPPT9 Voltage (V) MPPT9 Current (A) MPPT10 Voltage (V) MPPT10 Current (A) MPPT10 Voltage (V) MPPT10 Current (A) MPPT10 Voltage (V) MPPT10 Voltage (V) MPPT10 Voltage (V) MPPT10 Voltage (V) MPPT10 Voltage (V) MPPT10 Voltage (V) MPPT10 Voltage (V) MPPT10 Voltage (V) MPPT10 Voltage (V)	
. all	ø	MPPTIS Voltage (V) MPPTIS Current (A) MPPTIS Voltage (V) MPPTIS Voltage (V) Edita (C) Convert (A) AB Line Voltage (V) BC Line Voltage (V) CA Line Voltage (V) Phase & Current (A) Phase & Current (A) Phase C Courrent (A) Total active Power (B) Phase & Dower (W) Phase C A Dower (W) Phase C A Dower (W)) RWI W
THE TRUE		MON PPV	α

There are four types of time to choose from, including day, month, year, and total. The specific date control will change with the change of time type. Select a time type query other than day, and display the chart as a bar chart.

2) Export: (Similar to power plant charts)

User manual



3.8 Warranty Information

The warranty management module is mainly used for equipment warranty queries. Equipment warranty responsibility refers to the responsibility provided by equipment manufacturers or suppliers for repairing, replacing, or refunding equipment faults during the warranty period. Depending on the specific situation, equipment manufacturers or suppliers may provide solutions such as free maintenance, replacement of parts, reinstallation of equipment, or refund of purchase fees. The specific terms and conditions of equipment warranty can be detailed in the equipment purchase contract or warranty agreement.

In the warranty management interface, precise queries can be made through the device SN number, or through conditions such as device type, equipment model, then you can find the delivery date, warranty period, warranty duration, and expiration status of this device.

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< Hor	ne Alarm History $ imes$ P	lant Charts × Dev	vice Charts ×	arranty Information ×				(1
Device	SN: Please Enter Device SN	Devi	ce Type: Inverter	Ŷ	Equipment Model :	SW005KTL-T1	✓ search reset	Unfold V
							上 Import	土 download + add
	Device SN	Dying State	Device Type	Equipment Model	Date Issuance	Warranty Period	Warranty Duration (Year)	Operate
	SR1CS6N5P4S013	 Normal 	Inverter	SW005KTL-T1	2024-05-23	2025-05-23	1.5	edit delete
	SR1CS6N5P4S007	 Normal 	Inverter	SW005KTL-T1	2024-06-01	2025-06-01	1.5	edit delete
	1793523054216314881	 Normal 	Inverter	SW005KTL-T1	2024-05-23	2025-05-23	1.5	edit delete
	inv2024042401	O Normal	Inverter	SW005KTL-T1	2024-04-24	2025-04-24	Ť.	edit delete
	SRtest009	O Normal	Inverter	SW005KTL-T1	2023-10-01	2025-10-01	2	edit delete
							1-5 共 5 券	t < 1 > 10 / page v

Users can import or download the required device warranty information according to their actual situation.

Import: Download the template first, and users can add corresponding data based on the provided template before uploading,

Upload warranty: Drag the document into the upload area and click OK.

× Real-t	ime Alarms $ imes$	Device Charts $ imes$	Warranty Information >	<	
	Device Type	导入		×	
	il il Ale	Download temp	plate	- 55	
Dying Stat	te I			T.W.	Warranty Period
⊘ Norma	al I	Click or d	lrag files to this area for	uploading	2025-05-23
⊘ Norma	l I	Only	supports xls and xlsx form	at files	2025-06-01
⊘ Norma	at I		clo	ose preserve	2025-05-23
Norma	al Ir	nverter	SW005KTL-T1	2024-04-24	2025-04-24
① Dying] Ir	nverter		2021-11-01	2023-11-01

Download: Export warranty information.





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