# Quick Guidelines of Elekeeper API

# You are a distributor/installer

We provide web portal authorization function, please log in elekeeper web portal and follow below steps.

### 1. You are developing the programme by yourself.

### a. Create a developer for your account

### i. Find the entrance of the developers function on the top of Elekeeper.

Choose autonomous account.

#### ii. Fill in the information on the page

• If your account had once been registerd in openplatform as a developer, it will be retrieve and show in the page. You can continue choose this developer account to binded or creat a band new one.



Furthermore, if your developer account had set up a developer organization(s), it(they) will be shown in the page, you can select it or set up a band new one.

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Home Account Setting × Cheale a develor, ×					
Detected an existing developer organization, you can choose to bind it to become an independent developer					
or					
Create a new developer organization and bind it to independent developers					
ок					

• If your account has never been registered on the open platform, you will be guided to create a new account and link it to your current Elekeeper account.

4			Switch to old platform	 ⑦ English	· 🔘
Home vpphub × Create a develo ×					
Tip: Please create a developer account and bind it					
* Email					
Please enter an email address					
* Email verification code					
Please enter the email verification code Send					
* Password					
Please enter your password					
* Confirmation password					
Please confirm your password					
I agree and obey (Open Platform Service Agreement)					
I have read, understood, and agree (Privacy Agreement)					
Confirm					

• Please fill in the information submission, SAJ will be processed ASAP.

After creation is completed, you will receive the corresponding developer account and contract of the corresponding developer account a	can quickly authorize in the portal to achieve your business.	
lasic Info	Developer User Information	
leveloper Enterprise Name	" Contact Name	
Please enter the developer's company name	Please enter the contact person's name	
leveloper company abbreviation	Job title	
Please enter the developer's company abbreviation	Please enter your position	
igal representative	* Tel	
Please enter the corporate legal representative	Country V Please enter a telephone n	
eveloper Organization's Address	* Email	
Please select a country/r $ \sim $	Please enter an email address	
Please enter detailed address	business card	
icial website		
Please enter the official website address	+ Upload business Card	
usiness license or other proof		
+		
veveloper Entroduction		

When registration finished, the autonomous account information will be shown on the page.

At this point, the binding of the autonomous account is complete.

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Home vpphub × Account Setting × Authoriza	tion ×			
Autonomous account				
Developer ID	Full name of the developer	Developer abbreviation	Status	Authorization Configuration
A second test	10000	1000 B	Associated	Details
Third party account				
		There are currently no third-party developers available. Pleas	e click the button below to create	
		Select third-party developers		

### **b.** Authorize resources to the developer.

i. Click here to start the authorization.

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Home vpphub × Account Setting × Authorizat	ation ×			
Autonomous account				
Developer ID	Full name of the developer	Developer abbreviation	Status	Authorization Configuration
A REPORT OF A	1000	1000	Associated	Octails
Third party account			Click here to	o start the authorization
		There are currently no third-party developers available. Pleas	e click the button below to create	
		Select third-party developers		

Here is the default(empty) page, you can check the authorized scope here when finished.

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Rone Autorization x	
Ending completed	Enter open platform >
Full name of the developer. Developer above value Authorization	click here to jump to openplation
click here to start configuration	
Configure the authorization scope of developers can access your business	

You can quickly select the scope of authorization by choosing the distributor/installer and plant dimensions. Please note that selecting a distributor/installer will automatically include all current and future subsidiary and plants associated with it.

<b>*</b>				Switch to old platform 🔹 🗃 💬 🕐 English 🗸 🚫
Home Account Setting × Authorization C ×				
Haus platformDetails / Configuration management				Import
Distributors		Direct		
Select All	1	Plant	Prease enter the name of the plant to search	
	/	P HOLEN	Energy Storage	
			Energy Storage	
	- /		Energy Storage	
Unfold the subsidiary list Show plant lis	t of the organizatio		Energy Storage	
			Energy Storage	
		100.000	Energy Storage	
		radian	Energy Storage	
			Energy Storage	
			Energy Storage	
			On-Grid	
What you choosed will be	show here		*	
Selected dealer 🖌	i s	Selected plant(3) O	8	
			0	
			0	
			0	
Examples as below.				
Distributor level Plant level		Distributor le	evel Plant level	Distributor level Plant level
- Δ		Δ		Δ
A1 plant A1 1		A1	plant A1 1	A1 plant A1 1
plant_A1_2			plant_A1_2	☑ plant_A1_2
plant_A1_3		A2	plant_A1_3	plant_A1_3

All existing and future plant wiil be authorized

A2-1

A3-1

A3

plant\_A2-1

plant\_A2-1

plant\_A3\_1

plant\_A3-1

Plants that belongs to A2 (plantA2-1,plant\_A2-1\_1,plant\_A2-1\_2,and future plants) will be authorized

A2-1

A3-1

-A3

Plants that belongs to A2-1 (plant\_A2-1\_1,plant\_A2-1\_2,and future plants), plant\_A1\_2, will be authorized

A2-1

-A3-1

-A3

1

plant\_A2-1

plant A2-1

plant\_A3\_1 plant\_A3-1\_1

#### ii. The authorized resources are displayed here and you can modify them again

plant A2-1

plant A2-1

plant\_A3\_1 plant\_A3-1\_1

Δ		Switch to old platform 🔹 🖾 🗁 🕜 English 🗸 🚫
Homa Authorization ×		
Full name of the developer: Developer abbreviation: Authorization		Adjusting the configuration
Selected dealer(1)	Selected plant(0) Check the authorization status of the plant	
Authorized developers will be able to access the existing devices and future plants of the selected dealer	Authorized developers will be able to access all existing and future devices of the selected plant	

### 2. A 3rd-party developer is working with you.

### a. Establish a binding relationship with the third-party developer

i. Find the entrance of the developers function on the top of Elekeeper.

A	Switch to old platform 🔹 🖾 📮 💬 🛞 English 🗸 🚫
Horse vyphul ×	
Autonomous account Create a developer for the current account, which allows for resource authorization and quick login to the developer platform. Add account	50/0
Third party account Autorare resources to existing third party developers Network Webgawhy developers	
2	

### ii. Enter and submit the 3rd-party developer's ID and apply.

If this developer is not yet registered on the open platform, please contact our technical support team or register on the open platform first.

Europe node(for Europe): <u>https://developer.saj-electric.com</u>

International node(Except Europe and China mainland): https://intl-developer.saj-electric.com

<u>ж</u> – – – – – – – – – – – – – – – – – – –			Switch to old platform	English	· ()
Home vpphub × Third party acco. ×					
Account List Page / Bind third-party developer accounts					
New commission application Applied(1)					
Please enter the developer ID Bearch Please enter the developer ID to search <u>Mex.guidednes</u>					
* ~			Switch to old platform +	English	~ 📀
Home vpphub × Third party acco., ×					
Account List Page / Bind third-party developer accounts					
New commission application Applied(1)					
Please enter the developer ID to search <u>View guidelines</u>					
Developer ID	Full name of the developer	Full name of the developer			Operation Ø
	SAJ electric	saj ele			Apply for binding
					/

iii. Due to compliance requirements, an agreement/declaration is need to be submitted.

		Switch to old platform	
Home Account Setting × Authorization ×			
Demonstration Bidge conductory			
Full name of the developer: Demonstration Developer abbreviation: Demo Au	horization		
	Start configuration (requires submission of commission contract)		
	Configure the authorization scope of developers can access your business		
A		Switch to old platform 🔹 🖃 👄 🖲 English 🗸 🌾	)
Home Account Setting × Authorization ×			
Bone Account Betting × Authorization ×			
Mitter failing > Anthrough >     Demonstration Ending compared >     Full name of the developer Demonstration     Developer abbreviation: Denveloper	ad materials ×		
Network Account Samp -          Advances 1           Demonstration         Being constration         Developer advecuper Jerroration           Full name of the developer Demonstration         Developer advecuper Jerroration         Developer advecuper Jerroration	ad materials ×		
Demonstration Demonstration     Demonstration Demonstration     Demonstration Demonstration     Developer ablevelation: Demo	ad materials ×		
Demonstration Temp are      Demonstration Temp are      Demonstration Temp are      Demonstration     Developer attreviation: Demonstration	ad materials ×		
Demonstration (terms a constration)      Demonstration (terms constration)      Evel name of the developer: Demonstration      Developer attreveloper: Demonstration	ad materials ×        O Sign an optimizer     O Uplicad Business Contact       O apprendent     O Entractinent Contact       DATA PROCESSING AGREEMENT		
Demonstration (see granulate)      Fut name of the developer: Demonstration     Developer abbreviation: Developer      Uplo	ad materials ×  ad materials ×  Uptical Business Spreenwert Output Data PROCESSING AGREEMENT Between		
Demonstration (see granulate)      Fut name of the developer: Demonstration     Developer abbreviation: Developer      Upto	ad materials ×  Sign an Uptad Business processing  DATA PROCESSING AGREEMENT  Between  DISTRIBUTOR.INSTALLER		
Constraint from a constraint      Demonstration from constraint      Put name of the developer: Demonstration     Developer abbreviation: Develop	ad materials ×       Sign an Utilitad Business     Sign an Utilitad Business     DATA PROCESSING AGREEMENT Betwee  DSTRIBUTOR(INSTALLER (Sternadbrer referred as "Diorehouser leasabler", which is the Data Consoller)		
Constraint from a constraint      Put name of the developer: Demonstration     Developer attreveloper: Demonstration	ad materials ×   Supported as the processing of		
Constraint for a second s	ad materials ×		
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A			Switch to old platform	English V	· • • • • • • • • • • • • • • • • • • •
Home Account Betting × Authorization ×					
Demonstration Binding completed~					
Full name of the developer: Demonstration Developer abbreviation: Dem	Authorization				
	Upload materials	×			
	Sinn an Upload Bu	Jsiness Waiting for			
	agreement Contract	nt processing			
	Business Entrustment Contract Template	*Upload Business Entrustment Contract 2. Upload here			
	Business Entrustment	Please drawnicad the husiness commission contract			
	Contract Template	template and upload it here after filling it out Please upload files in. jpg/. jpe/. png/. gif/. pdf/. doc format			
	Template download				
		Cancel			
	1.Download the template				

Once this step was done, SAJ will review it ASAP.

Δ	Switch to old platform 🔹 📼 🗁 🍞 English 🗸 🚫
Home Account Setting × Authorization ×	
Demonstration Binning completed -	
Full name of the developer: Demonstration Developer abbreviation: Demo Authorization	
Under review	
We are checking the information and will complete them within 3 working days. Pease be patient.	
iv. You are now free to set which of your plants/dev	ices are allowed to be
queried or managed by the 3-rd party developer	(at the same time
depending on the permission of the plant owner)	)

*			Switch to old platform 🔹 📼 🖾 💮 🕜	English 🗸 🚫
Home Account Setting ×				
Autonomous account				
	There is currently	no developer account available. Please click the button below to create it Create a developer account		
Third party account				Select third-party developers
Developer ID	Full name of the developer	Developer abbreviation	Authorization Configuration	
and the second sec	SAJ electric	saj ele	Details	
	Total	1 < 1 → Go to 1 100page ~		

#### b. Authorize resources to 3-rd party developer.

#### i. Click here to start the authorization.

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Home Account Cetting ×			
Autonomous account			
	There is currently no developer account	available. Please click the button below to create it	
	Create	a developer account	
Third party account			Select Bird-party developers
Developer ID	Full name of the developer	Developer abbreviation	Authorization Configuration
and the second sec	SAJ electric	saj ele	Details
	Total 1 < 1 >	Go to 1 10/page	

You can quickly select the scope of authorization by choosing the distributor/installer and plant dimensions. Please note that selecting a distributor/installer will automatically include all current and future subsidiary and plants associated with it.



<u>.</u>		Switch to old platform 🔹 🖃 🗁 🕜 English 🗸 🃀
Home Account Betting × Authoritation ×		
SAJ electric Ending completed -		
Full name of the developer: SAJ electric Developer abbreviation: saj ele Authorization		Adjusting the configuration
Selected dealer(1)	Selected plant(0) Check the authorization status of the plant	
Authorized developers will be able to access the existing devices and future plants of the selected dealer	Authorized developers will be able to access all existing and future devices of the selected plant	
Card Control of Contro		

ii. The authorized resources are displayed here and you can modify them again

# You are the owner of the plant

We provide both web portal and APP authorization functions, you can log in at either end and follow below steps.

# 1. Web portal

### **1.1. Enter the plant list and find the developer management option.**

88 Home		Home	nts ×							
Monitoring	^	All	V Plant name/Inverter SN		Search	¶≣.				Add a plant
Plants		📥 Add ti	o favorites	Alarm	Normali					= =
Devices		<b>A</b> 7100 0			- Horna	• onnontored				00
Alarms		Status	Plant Name	Plant Type	Generated power	Production Today	Lifetime Production	Installed capacity	Today's charge	Operation 💮
Service	~	•	The second second	in the second		100				☆ 주 :
Al Saving									District	
and Report	~	٠						-	Plant sharing Plant Info	9
		•	-		-				Electricity ta Delete Plant	riff setting
		•							Developer m	nanagement
		•						100		☆ 주 :
	≣	•								☆ 〒 :

**1.2.** In the Developer management menu, enter the corresponding developer ID, which can be obtained from the developer.

Third-party developer	
	Third-party developer not added yet

**1.3.** After submitting the developer ID, check the developer information and confirm after it is correct.

e Plants × Developer man ×				
A	dd			$\times$
Third-party developer				
	Find Developer ID ③			
			Search	
	Full name of the developer			
	Developer abbreviation			
	Developer Contact			
		Cancel	Confirm	
		Curron		

# 1.4. The resource is successfully authorized to a third-party developer,

and subsequent management can take place here.



# **2. APP**

2.1. Find the management menu on the plant home page.



# **2.2.** Enter theplant management menu and find the Developer

16:58	::!! ? 🗩
<	Management •••
Owner Info	Edit
Name	grayOwner
Email	grayOwner@saj.com Copy
Visitor Info	Invite
Number of Visitors	0 >
Installer Informat	ion
Contact	
Company	GrayInstaller
Email	
Device Info	
Inverter	1 >
Smart device	0 >
Developer/Partne	er
Developer/Partner (	Already selected(1) >

### management entrance.

# 2.3. Enter the corresponding developer ID, which can be obtained from

# the developer.

16:58	:::: ? •
C Third-participation	arty Developer/Partner
X	
Third-party De added yet. You	eveloper/Partner has not been can choose a partner or add it manually.
	Add Manually

# 2.4. After submitting the developer ID, check the developer information

and confirm after it is correct.

16:59	;;;! ≎ ■
C Developer Authorizatio	n
Find Developer ⑦	
	Query
Developer Full Name	
100	
Developer Short Name	
-	
Developer Contact Person	
many subscription	
Confirm	

# 2.5. The resource is successfully authorized to a third-party developer,

and subsequent management can take place here.

