



Semookii Cloud Control API

Version: V 2.0

Version Information

Version	Editor	Time	Remark
V1.0	Jingke Li	2020-12-18	Creating
V1.1	Jingke Li	2020-12-21	Revision
V1.2	Jingke Li	2021-9-8	Change necessity of parameters
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Introduction

1. Purpose and Scope

Semookii Control API interface document is a guide for agents, installers or third-parties to remote control Semookii system through Http protocol. Clients can use the Semookii Control API service to perform remote control, batch remote control and group remote control to the authorized devices. At the same time, Semookii Control API provides auxiliary interfaces to realize group management, query and add authorization functions.

Interface: <https://www.solaxcloud.com:9443/proxy/>

Format: JSON

Request mode: POST

Parameter name	Type	Description
exception	String	Response from server
result	Object	Data return
success	Boolean	Whether the data request is successful

2. List of Available APIs

API Name	API Output
Single Control	Temporary control the on/off and charge/discharge of single inverter.
Batch Control	Temporary control the on/off and charge/discharge of batch inverters.
Group Control	Control the on/off and charge/discharge of inverters in the group.
Group Add	Create a group.
Group Update	Update a name of the group.
Group Delete	Delete the group.
Group Batch Deletion	Delete groups in batch.
Group Query	Query information of all groups by page.
Group Fuzzy Query	Fuzzy query group information.
Inverter Add	Add inverter to the group.
Inverter Delete	Delete an inverter from the group.
Inverter Batch Deletion	Delete inverters form groups in batch.
Inverter Update	Replace the inverter in the group.
Inverter Query	Query the inverters in the group by page.
Inverter Fuzzy query	Fuzzy query inverter information in the group.
Command Query	Command response query.
Result Query	Task result query.
Bound SN	Bind devices to make them authorized

3. API Access

A tokenId must be used in order to submit API requests to Semookii Cloud. Agent/Installer account holder should get a tokenId from Solax pre-sales through the E-mail sales@Semookii.com.

tokenId is bund with your agent/installer account.

Agent/Installer can access the API of the devices has bounded with your account.

For any assistance please send email to sales@Semookii.com

4. Language and Time Encoding

Formats in all APIs are:

- Date and time: YYYY-MM-DD hh:mm:ss
- Date only: YYYY-MM-DD
- Dates are always in the time zone of the site.
- All physical measures are in the metric unit system.
- Temperature values are always in Celsius degrees.

API Description

1. Remote Control

1.1 Single Control:

Temporary control the on/off and charge/discharge of single inverter.

Request Address:

/commandapi/singleControl

Parameters:

Parameters	Necessity	Content	Unit	Description
sn	Required	-	-	Semookii inverter serial number
tokenId	Required	-	-	TokenId from Semookii
superType	Required	0/1/2	-	0: Integrated Instruction; 1: System on/off; 2: Mode Control
systemSwich	Required if Type 1	0/1	-	0: off; 1: on
mode	Required if Type 0	0/1/2/3	-	0: Forbid; 1: Power control; 2: Electric quantity control; 3: SoC target control
	Required if Type 2	0/1/2/3	-	0: Self Use; 1: Feed-in Priority; 2: Backup Mode; 3: Manual Mode; 10: Charge and discharge time setting
activePower	Required if Type 0, mode 1	-	W	Active power target (up to 65535) Positive charge and negative discharge
reactivePower	Required if Type 0, mode 1	-	Var	Reactive power target (up to 65535) Positive charge and negative discharge
setType	Required if Type 0, mode 1/2/3	1/2	-	1: Target setting; 2: Target update (only for mode 2/3)
targetEnergy	Required if Type 0, mode 2	-	Wh	Energy target
targetSoc	Required if Type 0, mode 3	-	%	SoC target
chargerPower	Required if Type 0, mode 2/3	-	W	Charge/discharge power Positive charge and negative discharge
proidTime	Required if Type 0, mode 1	-	s	Power control mode duration
timeout	Required if Type 0	-	s	Time to keep the inverter in remote control mode after the operation is completed
chargeFromGridEN	Required if Type 2, mode 0	0/1	-	0: Disable; 1: Enable
minSoc	Required if Type 2, mode 0/1/2	-	%	Minimum SoC set

chargeFromGridUpperSoC	Required if Type 2, mode 0/1/2	-	%	SoC cap set for charging from grid
manualMode	Required if Type 2, mode 3	0/1/2	-	0: Stop Chg&Dischg 1: Forced Charge 2: Forced Discharge
chargeStartTime1Hour	Required if Type 2, mode 10	-	hour	The charging start time in period 1 (hours)
chargeStartTime1Minute			minute	The charging start time in period 1 (minutes)
chargeEndTime1Hour			hour	The charging end time in period 1 (hours)
chargeEndTime1Minute			minute	The charging end time in period 1 (minutes)
dischargeStartTime1Hour			hour	The discharging start time in period 1 (hours)
dischargeStartTime1Minute			minute	The discharging start time in period 1 (minutes)
dischargerEndTime1Hour			hour	The discharging end time in period 1 (hours)
dischargerEndTime1Minute			minute	The discharging end time in period 1 (minutes)
p2TimeSetEnable			0/1	-
chargeStartTime2Hour	Required if Type 2, mode 10, p2TimeSetEnable 1	-	hour	The charging start time in period 2 (hours)
chargeStartTime2Minute			minute	The charging start time in period 2 (minutes)
chargeEndTime2Hour			hour	The charging end time in period 2 (hours)
chargeEndTime2Minute			minute	The charging end time in period 2 (minutes)
dischargeStartTime2Hour			hour	The discharging start time in period 2 (hours)
dischargeStartTime2Minute			minute	The discharging start time in period 2 (minutes)
dischargeEndTime2Hour			hour	The discharging end time in period 1 (hours)
dischargeEndTime2Minute			minute	The discharging end time in period 1 (minutes)

Response:

```
{  
  "exception": Exception information  
  "result": Command Id if successful  
  "success": True/False  
}
```

Example:

Charge with 1000W in 10min by Power control mode, API input:

https://www.solaxcloud.com:9443/proxy/commandapi/singleControl?sn=H475*****&tokenId=2020110909210*****&superType=0&mode=1&activePower=1000&reactivePower=0&setType=1&proidTime=600&timeout=10

JSON output: {"exception":null,"result":149159061*****,"success":true}

1.2 Batch Control:

Temporary control the on/off and charge/discharge of batch inverters.

Request Address:

/commandapi/batchTempControl

Parameters:

Parameters	Necessity	Content	Unit	Description
snList	Required	-	-	Semookii Inverter Serial Number Separated by comma
tokenId	Required	-	-	tokenId from Semookii
superType	Required	0/1/2	-	0: Integrated Instruction; 1: System on/off; 2: Mode Control
systemSwich	Required if Type 1	0/1	-	0: off; 1: on
mode	Required if Type 0	0/1/2/3	-	0: Forbid; 1: Power control; 2: Electric quantity control; 3: SoC target control
	Required if Type 2	0/1/2/3	-	0: Self Use; 1: Feed-in Priority; 2: Backup Mode; 3: Manual Mode; 10: Charge and discharge time setting
reactivePower	Required if mode 1	-	Var	Reactive power target (up to 65535) Positive charge and negative discharge
setType	Required if mode 1/2/3	1/2	-	1: Target setting; 2: Target update(only for mode 2/3)
targetEnergy	Required if mode 2	-	Wh	Energy target
targetSoc	Required if mode 3	-	%	SoC target
chargerPower	Required if mode 2/3	-	W	Charge/discharge power Positive charge and negative discharge
proidTime	Required if mode 1	-	s	Power control mode duration
timeout	Required if Type 0	-	s	Time to keep the inverter in remote control mode after the operation is completed
chargeFromGridEN	Required if Type 2, mode 0	0/1	-	0: Disable; 1: Enable
minSoc	Required if Type 2, mode 0/1/2	-	%	Minimum SoC set
chargeFromGridUpperSoC	Required if Type 2, mode 0/1/2	-	%	SoC cap set for charging from grid
manualMode	Required if Type 2, mode 3	0/1/2	-	0: Stop Chg&Dischg 1: Forced Charge 2: Forced Discharge
chargeStartTime1Hour	Required if Type 2, mode 10	-	hour	The charging start time in period 1 (hours)
chargeStartTime1Minute			minute	The charging start time in period 1 (minutes)

chargeEndTime1Hour			hour	The charging end time in period 1 (hours)
chargeEndTime1Minute			minute	The charging end time in period 1 (minutes)
dischargeStartTime1Hour			hour	The discharging start time in period 1 (hours)
dischargeStartTime1Minute			minute	The discharging start time in period 1 (minutes)
dischargerEndTime1Hour			hour	The discharging end time in period 1 (hours)
dischargerEndTime1Minute			minute	The discharging end time in period 1 (minutes)
p2TimeSetEnable		0/1	-	Period 2 switch. 0: Disable; 1: Enable
chargeStartTime2Hour	Required if Type 2, mode 10, p2TimeSetEnable 1		hour	The charging start time in period 2 (hours)
chargeStartTime2Minute			minute	The charging start time in period 2 (minutes)
chargeEndTime2Hour			hour	The charging end time in period 2 (hours)
chargeEndTime2Minute			minute	The charging end time in period 2 (minutes)
dischargeStartTime2Hour			hour	The discharging start time in period 2 (hours)
dischargeStartTime2Minute			minute	The discharging start time in period 2 (minutes)
dischargeEndTime2Hour			hour	The discharging end time in period 1 (hours)
dischargeEndTime2Minute			minute	The discharging end time in period 1 (minutes)

Response:

```
{
  "exception": Exception information
  "result": Command Id if successful
  "success": True/False
}
```

Example:

API input:

`https://www.solaxcloud.com:9443/proxy/commandapi/batchTempControl?snList=H475*****,H475*****&tokenId=2020110909210*****&superType=1&systemSwitch=1`

JSON output:

```
{"exception":null,"result":103253007*****, "success":true}
```

1.3 Group Control:

Control the on/off and charge/discharge of inverters in the group.

Request Address:

/commandapi/groupControl

Parameters:

Parameters	Necessity	Content	Unit	Description
groupId	Required	-	-	Group ID
tokenId	Required	-	-	TokenId from Semookii
superType	Required	0/1/2	-	0: Integrated Instruction; 1: System on/off; 2: Mode Control
systemSwich	Required if Type 1	0/1	-	0: off; 1: on
mode	Required if Type 0	0/1/2/3	-	0: Forbid; 1: Power control; 2: Electric quantity control; 3: SoC target control
	Required if Type 2	0/1/2/3	-	0: Self Use; 1: Feed-in Priority; 2: Backup Mode; 3: Manual Mode; 10: Charge and discharge time setting
reactivePower	Required if mode 1	-	Var	Reactive power target (up to 65535) Positive charge and negative discharge
setType	Required if mode 1/2/3	1/2	-	1: Target setting; 2: Target update(only for mode 2/3)
targetEnergy	Required if mode 2	-	Wh	Energy target
targetSoc	Required if mode 3	-	%	SoC target
chargerPower	Required if mode 2/3	-	W	Charge/discharge power Positive charge and negative discharge
proidTime	Required if mode 1	-	s	Power control mode duration
timeout	Required if Type 0	-	s	Time to keep the inverter in remote control mode after the operation is completed
chargeFromGridEN	Required if Type 2, mode 0	0/1	-	0: Disable; 1: Enable
minSoc	Required if Type 2, mode 0/1/2	-	%	Minimum SoC set
chargeFromGridUpperSoC	Required if Type 2, mode 0/1/2	-	%	SoC cap set for charging from grid
manualMode	Required if Type 2, mode 3	0/1/2	-	0: Stop Chg&Dischg 1: Forced Charge 2: Forced Discharge
chargeStartTime1Hour	Required if Type 2, mode 10	-	hour	The charging start time in period 1 (hours)
chargeStartTime1Minute			minute	The charging start time in period 1 (minutes)
chargeEndTime			hour	The charging end time in period 1

e1Hour				(hours)
chargeEndTime1Minute			minute	The charging end time in period 1 (minutes)
dischargeStartTime1Hour			hour	The discharging start time in period 1 (hours)
dischargeStartTime1Minute			minute	The discharging start time in period 1 (minutes)
dischargerEndTime1Hour			hour	The discharging end time in period 1 (hours)
dischargerEndTime1Minute			minute	The discharging end time in period 1 (minutes)
p2TimeSetEnable		0/1	-	Period 2 switch. 0: Disable; 1: Enable
chargeStartTime2Hour	Required if Type 2, mode 10, p2TimeSetEnable 1	-	hour	The charging start time in period 2 (hours)
chargeStartTime2Minute			minute	The charging start time in period 2 (minutes)
chargeEndTime2Hour			hour	The charging end time in period 2 (hours)
chargeEndTime2Minute			minute	The charging end time in period 2 (minutes)
dischargeStartTime2Hour			hour	The discharging start time in period 2 (hours)
dischargeStartTime2Minute			minute	The discharging start time in period 2 (minutes)
dischargeEndTime2Hour			hour	The discharging end time in period 1 (hours)
dischargeEndTime2Minute			minute	The discharging end time in period 1 (minutes)

Response:

```
{
  "exception": Exception information
  "result": Command Id if successful
  "success": True/False
}
```

Example:

API input:

https://www.solaxcloud.com:9443/proxy/commandapi/groupControl?groupId=102890264*****&tokenId=2020110909210*****&superType=1&systemSwitch=1

JSON output:

```
{"exception":null,"result":103253007*****,"success":true}
```

2. Group Operation

2.1 Group Add

Create a group for group control

Request Address:

/vppgroup/add

Parameters:

Parameters	Necessity	Content	Unit	Description
tokenId	Required	-	-	TokenId from Semookii
name	Required	-	-	Group name

Response:

```
{  
  "exception": Exception information  
  "result": Group Id if successful  
  "success": True/False  
}
```

Example:

API input:

https://www.solaxcloud.com:9443/proxy/vppgroup/add?tokenId=2020110909210*****&name=VPP_lcx01

JSON output:

```
{"exception":null,"result": 102890264*****,"success":true}
```

2.2 Group Update

Update a name of the group.

Request Address:

/vppgroup/updateById

Parameters:

Parameters	Necessity	Content	Unit	Description
id	Required	-	-	Group ID
tokenId	Required	-	-	TokenId from Semookii
name	Required	-	-	Group name

Response:

```
{  
  "exception": Exception information  
  "result": null  
  "success": True/False  
}
```

Example:

API input:

https://www.solaxcloud.com:9443/proxy//vppgroup/updateById?id=102890264
 *****&size=10&tokenId=2020110909210*****&name=VPP_lcx05

JSON output:

```
{"exception":null,"result":null,"success":true}
```

2.3 Group Delete

Delete the group.

Request Address:

/vppgroup/deleteById

Parameters:

Parameters	Necessity	Content	Unit	Description
id	Required	-	-	Group ID
tokenId	Required	-	-	TokenId from Semookii

Response:

```
{
  "exception": Exception information
  "result": null
  "success": True/False
}
```

Example:

API input:

https://www.solaxcloud.com:9443/proxy/vppgroup/deleteById?id=101871576*
 *****&tokenId=2020120714410*****

JSON output:

```
{"exception":null,"result":null,"success":true}
```

2.4 Group Batch Deletion

Delete groups in batch.

Request Address:

/vppgroup/deleteBatch

Parameters:

Parameters	Necessity	Content	Unit	Description
id	Required	-	-	Group ID, separated by comma
tokenId	Required	-	-	TokenId from Semookii

Response:

```
{
  "exception": Exception information
  "result": null
  "success": True/False
}
```

Example:

API input:

```
https://www.solaxcloud.com:9443/proxy/vppgroup/deleteBatch?ids=10187816
7***** ,103103852*****&tokenId=2020120714410*****
```

JSON output:

```
{"exception":null,"result":null,"success":true}
```

2.5 Group Query

Query information of all groups by page.

Request Address:

/vppgroup/findAll

Parameters:

Parameters	Necessity	Content	Unit	Description
current	Required	-	-	Page number
size	Required	-	-	Number of groups displayed per page in the output
tokenId	Required	-	-	TokenId from Semookii

Response:

```
{
  "exception": Exception information,
  "result": {
    "num": Total number of groups
    "list": [
      {
        "id": Group ID,
        "name": Goup name,
        "num": Number of devices in the group,
        "createTime": Group creation time,
        "updateTime": Group update time,
      },
    ]
  },
  "success": True/False
}
```

Example:

API input:

https://www.solaxcloud.com:9443/proxy/vppgroup/findAll?current=1&size=2&tokenId=2020110909210*****

JSON output:

```
{"exception":null,"result":{"num":11,"list":[{"id":101871576*****,"name":"126","num":2,"createTime":"2020-12-07 06:42:51","updateTime":null}, {"id":101871576*****,"name":"127","num":3,"createTime":"2020-12-07 08:02:33","updateTime":null}], "success":true}
```

2.6 Group Fuzzy Query

Fuzzy query group information.

Request Address:

/vppgroup/findLikeName

Parameters:

Parameters	Necessity	Content	Unit	Description
name	Required	-	-	Group name
tokenId	Required	-	-	TokenId from Semookii

Response:

```
{  
  "exception": Exception information,  
  "result": {  
    "num": Number of results  
    "list": [  
      {  
        "id": Group ID,  
        "name": Group name,  
        "num": Number of devices in the group,  
        "createTime": Group creation time,  
        "updateTime": Group update time,  
      },  
    ]  
  },  
  "success": True/False  
}
```


Example:

API input:

https://www.solaxcloud.com:9443/proxy/vppgroup/findLikeName?name=12&tokenId=2020110909210*****

JSON output:

```
{
  "exception": null,
  "result": {
    "num": 2,
    "list": [
      {
        "id": "101965414*****",
        "name": "12",
        "num": 4,
        "createTime": "2020-12-08 08:35:21",
        "updateTime": null
      },
      {
        "id": "101871576*****",
        "name": "126",
        "num": 2,
        "createTime": "2020-12-07 06:42:51",
        "updateTime": null
      }
    ]
  },
  "success": true
}
```

3. Inverter Operation

3.1 Inverter Add

Add inverter to the group.

Request Address:

/vppinverter/add

Parameters:

Parameters	Necessity	Content	Unit	Description
groupId	Required	-	-	Group ID
inverterSn	Required	-	-	Semookii inverter serial number
tokenId	Required	-	-	TokenId from Semookii

Response:

```
{
  "exception": Exception information,
  "result": Inverter ID if successful,
  "success": True/False
}
```

Example:

API input:

https://www.solaxcloud.com:9443/proxy/vppinverter/add?groupId=101871576*****&inverterSn=H475*****2&tokenId=2020110909210*****

JSON output:

```
{
  "exception": null,
  "result": "103363642*****",
  "success": true
}
```

3.2 Inverter Delete

Delete an inverter from the group.

Request Address:

/vppinverter/deleteById

Parameters:

Parameters	Necessity	Content	Unit	Description
id	Required	-	-	Inverter ID
tokenId	Required	-	-	TokenId from Semookii

Response:

```
{  
  "exception": Exception information,  
  "result": null,  
  "success": True/False  
}
```

Example:

API input:

https://www.solaxcloud.com:9443/proxy/vppinverter/deleteById?id=10336367
4*****&tokenId=2020110909210*****

JSON output:

```
{"exception":null,"result":null,"success":true}
```

3.3 Inverter Batch Deletion

Delete inverters form groups in batch.

Request Address:

/vppinverter/deleteBatch

Parameters:

Parameters	Necessity	Content	Unit	Description
id	Required	-	-	Inverter ID, separated by comma
tokenId	Required	-	-	TokenId from Semookii

Response:

```
{  
  "exception": Exception information,  
  "result": null,  
  "success": True/False  
}
```

Example:

API input:

https://www.solaxcloud.com:9443/proxy/vppinverter/deleteBatch?ids=103363642***** ,103363674*****&tokenId=2020110909210*****

JSON output:

```
{"exception":null,"result":null,"success":true}
```

3.4 Inverter Update

Replace the inverter in the group.

Request Address:

/vppinverter/updateById

Parameters:

Parameters	Necessity	Content	Unit	Description
id	Required	-	-	Inverter ID
newInverterSn	Required	-	-	New inverter serial number
tokenId	Required	-	-	TokenId from Semookii

Response:

```
{
  "exception": Exception information,
  "result": null,
  "success": True/False
}
```

Example:

API input:

https://www.solaxcloud.com:9443/proxy/vppinverter/updateById?id=103363642*****&newInverterSn=H475*****&tokenId=2020120714410*****

JSON output:

```
{"exception":"update succeeded","result":null,"success":true}
```

3.5 Inverter Query

Query the inverters in the group by page.

Request Address:

/vppinverter/findByGroupId

Parameters :

Parameters	Necessity	Content	Unit	Description
groupId	Required	-	-	Group ID
current	Required	-	-	Page number
size	Required	-	-	Number of devices displayed per page in the output
tokenId	Required	-	-	TokenId from Semookii

Response:

```
{
  "exception": Exception information,
  "result": {
    "num": Number of devices in the group,
    "list": [
      {
        "id": Inverter ID,
        "groupId": Group ID,
        "wifiSn": Registration No. of Semookii communication dongle,
        "inverterSn": Semookii inverter serial number,
        "groupStatus": If the inverter in a group, 0: no, 1: yes,
        "ratePower": Inverter rated power,
        "createTime": Inverter added time,
        "updateTime": Inverter update time
      },
    ]
  },
  "success": True/False
}
```

Example:

API input:

https://www.solaxcloud.com:9443/proxy/vppinverter/findByGroupId?groupId=102890264*****¤t=1&size=2&tokenId=2020110909210*****

JSON output:

```
{"exception":null,"result":{"num":2,"list":[{"id":103363642*****,"groupId":102890264*****,"wifiSn":"SW*****","inverterSn":"H475*****","groupStatus":1,"ratePower":7.5,"createTime":2020-12-10 15:32:17,"updateTime":null},{"id":103363674*****,"groupId":102890264*****,"wifiSn":"SW*****","inverterSn":"H475*****","groupStatus":1,"ratePower":7.5,"createTime":2020-12-10 15:32:17,"updateTime":null}]},"success":true}
```

3.6 Inverter Fuzzy query

Fuzzy query inverter information in the group.

Request Address:

/vppinverter/findByLike

Parameters:

Parameters	Necessity	Content	Unit	Description
groupId	Required	-	-	Group ID
wifiSn	Optional	-	-	Registration No. of Semookii communication dongle
inverterSn	Optional	-	-	Semookii inverter serial number
tokenId	Required	-	-	TokenId from Semookii

Response:

```
{
  "exception": Exception information,
  "result": {
    "num": Number of devices which meet the conditions in the group,
    "list": [
      {
        "id": Inverter ID,
        "groupId": Group ID,
        "wifiSn": Registration No. of Semookii communication dongle,
        "inverterSn": Semookii inverter serial number,
        "groupStatus": If the inverter in a group, 0: no, 1: yes,
        "ratePower": Inverter rated power,
        "createTime": Inverter added time,
        "updateTime": Inverter update time
      },
    ]
  },
  "success": True/False
}
```

Example:

API input:

https://www.solaxcloud.com:9443/proxy/vppinverter/findByLike?groupId=102890264*****&wifiSn=SW*****&inverterSn=H475*****&tokenId=2020110909210*****

JSON output:

```
{"exception":null,"result":{"num":1,"list":[{"id":103363642*****,"groupId":102890264*****,"wifiSn":"SW*****","inverterSn":"H475*****","groupStatus":1,"ratePower":7.5,"createTime":2020-12-10 15:32:17,"updateTime":null}]},"success":true}
```

4. Query

4.1 Command Query

Command response query.

Request Address:

/commandapi/queryCommand

Parameters:

Parameters	Necessity	Content	Unit	Description
commandId	Required	-	-	Command ID
tokenId	Required	-	-	TokenId from Semookii

Response:

```
{
  "isSuccess": True/False,
  "exception": Exception information,
  "result": {
    "taskId": Task ID
  }
}
```

Example:

API input:

https://www.solaxcloud.com:9443/proxy/commandapi/queryCommand?commandId=103253007*****&tokenId=2020110909210*****

JSON output:

```
{"exception":null,"result":{"taskId":"acdba8cb2e7747aa80cf95*****"},"success":true}
```

4.2 Result Query

Task result query.

Request Address:

/commandapi/getQueryResult

Parameters:

Parameters	Necessity	Content	Unit	Description
taskId	Required	-	-	Task ID
tokenId	Required	-	-	TokenId from Semookii

Response:

```
{
  "isSuccess": True/False,
  "exception": Exception information,
  "result": null
}
```

Example:

API input:

https://www.solaxcloud.com:9443/proxy/commandapi/getQueryResult?taskId=acd8a8cb2e7747aa80cf95*****&tokenId=2020110909210*****

JSON output:

```
{"exception":null,"result":{"SW*****":"null","SW*****":"null"},"success":true
}
```

5. Device Binding

Bind the authorization relationship between the device of the end user and the account of the agent/installer.

Request address:

/api/regsn

Parameters:

Parameter name	Importance	Type	Length	Description	Remark
tokenId	Required	STRING	23	tokenId from Semookii	
sns	Required	STRING	-	Registration No. (communication module)	Separated by comma. Maximum 100.

Response:

```
{
  "exception": "", // remarks
  "success": true, // If the program error, this will be false,Please contact us
  "Binding success": "AAA,BBB,CCC", // This field appears when Sn binding
is successful
  "Binding fail": "AAA,BBB,CCC", // This field appears when Sn binding fail
  "Have bound sn": "DDD", // This field appears when there is a bound SN
  "Non-existent sn": "DFF93FLH", // This field appears when there is illegal
SN
}
```

Example

The screenshot displays a REST client interface for an "Untitled Request" in "Request Mode". The request method is "POST" and the URL is "http://.../proxy/api/regsn". The request body is set to "JSON" and contains the following JSON payload:

```
{  "token": "20220425...",  "sns": "a,b,c"}
```

The response is also in "JSON" format and shows a successful status (200 OK) with the following JSON payload:

```
{  "exception": null,  "code": 0,  "success": true,  "Non-existent sn": "a,b,c"}
```

Red boxes and arrows highlight the "POST" method, the "JSON" format selection, the request body, and the response body.

Communication

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