Zero-export Commissioning Guide

1. Integrated Meter selection

To carry out Zero-export, a meter is necessary to monitor consumption and to relay this data to the Smart Communication Box, calculate the private consumption and the current power generated of the plant then control the power output.

The parameters of the Meter listed in the following table have been integrated in the SUNGROW Logger1000. Please find the specific models in the following table, which are subject to change without notice.

No.	Brand	Model
1	SFERE	PD194EZ
		DTSD1352
2	Acrel	DLT645-07
		PZ96-E3
2	lonitza	UMG604
5	Janitza	UMG104
4	Weidmuller	EM610

Integrated Meter stations with Logger1000:

Table 1-1 Integrated list

2. Commissioning Guide

2.1. Limitations

The Meter that needs to be connected to Logger1000 must support RS485 or Ethernet. Before starting work, please make sure that Meter is properly connected to the power supply and connected to the Logger1000.

2.2. Connect the Meter

RS485 Connection:

The following figure shows the connection between the Logger1000 and the meter via RS485.



Figure 2-1 RS485 Connection

Connect the communication cable led from the Meter to the RS485 port of the Logger1000. If multiple inverters are connected to the Logger1000 together with the Meter, the Meter should be connected on the end of the daisy chain.

Note: If a meter is connected to a logger by means of RS485 bus, the inverter and the meter are not connected to the same COM port, and the meter is separately connected to a COM port.

NET Connection:

Step 1: Connect NET meter and logger by Ethernet cable by one of the following two methods.

Method 1: Connect the meter and logger by network cable directly;

Method 2: Forward by router: Connect the meter to a switch by network cable at first, and

then use a network cable to connect the logger to the router, too.

Step 2: Log in the WEB page of the Logger and add a meter device.

The following figure shows the connection between the Logger1000 and the Meter via NET.





2.3. Logger1000 Login

WLAN Login:

Step 1: Open the WLAN network settings of the PC/Pad/Mobile phone, search the WLAN network "SG-XXXXX" of the Logger1000 and connect.

Step 2: Enter the IP address 11.11.11.1 of the Logger1000 in the browser to enter the general user login interface.

Step 3: Click the button "Login" in the upper right corner, enter the default password "pw1111", and click "Login", to enter the O&M user interface.

Ethernet Login:

Step 1: Connect the Logger1000 to PC via ethernet cable.

Step 2: Setting the PC IP address and subnet mask, let PC and Logger1000 in the same LAN network. The Logger1000 ethernet default IP address and subnet mask are 12.12.12.12, 255.255.255.0. The PC IP address and subnet mask can set 12.12.12.XXX, 255.255.0.

Step 3: Enter the IP address 12.12.12.12 of the Logger1000 in the browser to enter the general user login interface.

Step 4: Click the button "Login" in the upper right corner, enter the default password "pw1111", and click "Login", to enter the O&M user interface.

Ξ				0 0 A 0	Help Englit
Data Index					Expand 🗸
A 176.6 kWh		Real-tim	00 kW e Active Power	Offline Device	
81937.8 kWh Total Yield		0.0 kW	instable Active Power	2 Piece Online Device	
Inverter Realtime Val	UES (Off-grid 2, On-g	prid 0)	_		
Device Name	Device Model	User Login	Ily Yield(kWh)	Active Power(KW)	Reactive Power(kvar)
SG33CX(COM1-002)	SG33CX	Password	5	0.000	0.000
SG33CX(COM1-003)	SG33CX	Password	3.1	0.000	0.000
		Login Forgot Password	3		
	■ ■ Data Index ■ 176.6 kwh Daily Yield 81937.8 kWh Total Yield 81937.8 kWh Device Name 9533CX(COM1-002) SG33CX(COM1-003) SG33CX(COM1-003)	Data Index 176.6 kWh Daily Yield B1937.8 kWh Total Yield Inverter Realtime Values (on-grid 2, on-grid Ga33CX(COM1-002) GG33CX GG33CX(COM1-003) GG33CX	Image: State Stat	■ Tabe Index ■ Tabe Share Big Yield Big X3 RWh Tata Yield Big X3 RWh Tata Yield Big X3 RWh Tata Yield Big X3 RWh Stat Yield Big X3 RWh	■ A A

Figure 2-3 Login

2.4. Add Meter

2.4.1. RS485 type Meter

Add the Meter:

Step 1: Click "Device" -> "Device List" -> "Add Device" to enter the corresponding interface.

Step 2: In the pop-up window, select "Meter" in the "Device Type".

Step 3: Select the corresponding Logger1000 COM "Port" which connect the Meter

Step 4: Select the corresponding meter model in the "Device Model".

Step 5: Enter the value of "Beginning Address" and the "Device Quantity", then click "Save".

Logger1000	æ					0 0 🛕 0	Help 💮 Engli	sh 🙎 O&M user
🖬 Overview 🔫	Auto Search	Add Device 3		_				Oelete 🕞 🕞
Device Monitoring	No.	SN	Add Device	×	Device	Forwarding IP	Com Status	Operation
	1		Meter		1	1	\$3	0
Device List	2		Port		9	2	\$3	0
Firmware Update	3		COM1	1	23	3	\$3	0
Inverter Log	4		Device Model		4	249	\$3	
AFCI Activation			EM610					
1 Power Control 👻			Beginning Address (1~255)					
🔮 History Data 🛛 👻			1					
O System 👻			Device Quantity (1~30)		1.1			
About					1000			
			Sawe 3	-	-			
e 1 🖬 ö							02520888	

Figure 2-4 Add the RS485 type Meter

Note:

The Modbus ID addresses of the devices connected in the same COM port of Logger1000 cannot be repeated.

2.4.2. NET type Meter

Add the Meter:

Step 1: Click "Device" -> "Device List" -> "Add Device" to enter the corresponding interface.

Step 2: In the pop-up window, select "Meter" in the "Device Type".

Step 3: Select "NET" in the "Port", select "MODBUS-TCP" in the "Protocol type", enter the IP address of the meter in the "Peer IP Address" (according to the actual IP), and enter 502 in the "Peer Port (1-65535)".

Step 4: Select the corresponding meter model in the "Device Model".

Step 5: Enter the value of "Beginning Address" and the "Device Quantity", then click "Save".

Logger1000	Ξ					0 0 A 0 0	Help 💮 Engli	sh 🙎 O&M user
🖬 Overview 👻	Auto Search Add I	levice 3		_				Delete 🕃 🕞
Device Monitoring	No.	SN	Add Device	×	Device	Forwarding IP	Com Status	Operation
X Device	1		Device Type		1	1	\$3	0
Device List	2		Meter		9	2	\$3	0
Firmware Update	3		Port	:4	23	3	23	0
Inverter Log	4		Protocol type			249	\$3	
AFCI Activation			MODBUS TCP	-	4			
1 Power Control 👻			Peer IP Address		1			
History Data +			192.188.22.22					
o System →			Peer Port (1-65535)					
Ø About			502					
							02520888	

Logger1000	E						<mark>⊗</mark> 0 <u>A</u> 0 ⊘	Help 💮 Engl	sh 🙎 O&M user
🖬 Overview 🔫	Auto	o Search Add D	evice						Delete
Device Monitoring		No.	SN	Add Device	×	Device	Forwarding IP	Com Status	Operation
X Device		1		192.188.22.22	ą.	1	1	2%	0
Device List		2		Peer Port (1-65535)		9	2	\$3	0
Firmware Update		3		502		23	3	\$3	0
Inverter Log		4		Device Model			249	\$3	
AFCI Activation				UMG604					
🛔 Power Control 🛛 👻				Beginning Address (1-255)	6				
🔹 History Data 🛛 👻									
🗘 System 👻				Device Quantity (1~30)					
G About				San	- 1				
					*				
🗢 🔐 🗖 🛆								02520888	3

Figure 2-5 Add the NET type Meter

2.4.3. Com Status

Click on Save to enter the following interface. If the hardware connection is correct, a period of time after the meter is powered on, we can see "Com Status" turns green from red. It means communication is successful.

Logger1000	Ξ						⊘ 0 ∆ 0 0	Help 💮 Engli	sh 💄 O&M user
👪 Overview 👻	Auto Search Add	Device							Delete
Device Monitoring	No.	SN	Device Name	Device Model	Port @	Device	Forwarding IP	Com Status	Operation
X Device			DTSD1352(COM1-001)	DTSD1352	COM1	1	1	83	0
Device List	2		DTSD1352(COM1-009)	DTSD1352	COM1	9	2	83	0
Firmware Update	3		SG5KTL-MT(COM1-023)	SG5KTL-MT	COM1	23	3	\$3	0
Inverter Log	4		EM610(COM1-011)	EM610	COM1	11	4	\$3	0
AFCI Activation	5		Meteorological Station	EM	-	19 <u>14</u>	249	\$3	1
1 Power Control 👻									
🔹 History Data 🛛 👻									
🗴 System 👻									
About									
e d 🗖 🛆								02520888	

Figure 2-6 Com Status

In general, the meter acquires the current at the grid-connection point via CT. If CT connection is correct, when the power generated by an inverter is transmitted to the grid, feed-in power can be viewed on the Device Monitoring interface of the web. If feed-in power is a negative value, it means the connection between CT and the meter is correct; if it is a positive value, it means the wires are reversely connected.

Logger1000	E		📀 0 🛕 0 🕜 Help 🌐 English 💄 O&M user
👪 Overview 👻	All	Realtime Values Initial Parameter	
Device Monitoring Device	S DTSD1352(COM1-001) DTSD1352(COM1-009)	Parameter Name Phase A Voltage	Real-time Values (Unit)
Device List	\$\$ SG5KTL-MT(COM1-023) \$\$ EM610(COM1-011) 2	Phase B Voltage Phase C Voltage	
Firmware Update	8 Meteorological Station	A-B Line Voltage	V
Inverter Log AFCI Activation		B-C Line Voltage C-A Line Voltage	V V
1 Power Control 👻		Phase A Current Phase B Current	- A - A
History Data		Phase C Current	A
🗘 System 👻		PF Orde Erequiency	-
About		Active Power	- ric - KW
		Feed-in Power Reactive Power	- kw 3 - kvar 02520888

Figure 2-7 Connection Status

2.5. Add Inverter

2.5.1. Auto Search

Step 1: Click "Device" -> "Device List" -> "Auto Search" to enter the corresponding interface.

Step 2: In the pop-up window, select "All" in the "Port" and click "Search".

Step 3: Select the corresponding Inverter, then click "Save".

Logger3000	₫		0	🛕 0 😗 Help 🌐 English 💄 O&M user
🖬 Overview 👻	Auto Search 3 Device			Delete B D
Device Monitoring	Auto Search			× eratio
🗶 Device 🚺 🔺				
Device List	Port All	earch 5		Save 7
Firmware Update	No. SN \$	Device Model Por	t	
Inverter Log	1 T20190116002 6	SG80KTL-M CO	M3 2	
1 Power Control 👻				
History Data +				
O System 👻				
 About 				100 C
				7EF82002

Figure 2-8 Add Inverter (Auto Search)

Note:

Auto search mode for device addition currently only supports the inverter devices selfdeveloped by Sungrow Power Supply Co., Ltd. (Please refer to relevant document for the specific supported models).

2.5.2. Manual Addition

Step 1: Click "Device" -> "Device List" -> "Add Device" to enter the corresponding interface.

Step 2: In the pop-up window, Select the corresponding Inverter type in the "Device Type".

Step 3: Select the corresponding Logger1000 COM "Port" which connect the Inverter.

Step 4: select the corresponding Inverter in the "Device Model".

Step 5: Enter the value of "Beginning Address" and the "Device Quantity", then click "Save".

Logger1000	Ξ						0 0 🛕 0 🔞	Help 💮 Engl	ish 🙎 O&M user
🖬 Overview 👻	Aut	o Search Add Dev	ice 3		_				Delete
Device Monitoring		No.	SN	Add Device Device Type	×	Device	Forwarding IP	Com Status	Operation
X Device 1		1		String Inverter	-	1	1	\$3	0
Device List		2		Port		9	2	\$3	0
Firmware Update		3		COM1		23	3	\$3	0
Inverter Log		4		Device Model		4	4	\$3	0
AFCI Activation		5		SG30KTL-M	· · · ·	-	249	\$3	
1 Power Control 🗸				Beginning Address (1-246)					
🔹 History Data 🛛 👻				1					
O System 🔫				Device Quantity (1~30)					
About				1					
				Save 5					
a 1 🖬 🛆								02520888	}

Figure 2-9 Add Inverter (Manual Addition)

Note:

To add a device manually, the model, beginning address and other relevant information of the device to be added need to be confirmed (such information is shown in the user manual of inverter).

2.6. Add Slave Loggers

Background:

Industrial and commercial roof plant (including multiple workshops or roofs). One logger (this logger serves as a slave logger) can access one workshop or roof only. Now one logger as a master logger needs to be added at the grid-connection point to collect data of the slave loggers.

Step 1: Click "Device" -> "Device List" -> "Add Device" to enter the corresponding interface.

Step 2: In the pop-up window, select "SUNGROW Logger" in the "Device Type".

Step 3: Select "NET" in the "Port", select "MONBUS-TCP" in the "Protocol type", enter the IP address of the slave Logger in the "Peer IP Address" (according to the actual IP), and enter the port of the Logger in the "Peer Port (1-65535)" (The port number must be consistent with the transfer port number of the slave logger).

Step 4: Select the corresponding Logger model in the "Device Model".

Step 5: Enter 247 in the "Beginning Address", and enter the value of "Device Quantity", then click "Save".

Logger1000	Ξ					⊗ 0 <u>▲</u> 0 	Help 🌐 Engli	ish 🙎 O&M user
🚼 Overview 🔫	Aut	to Search Add De	evice 3					Delete 🕞 🕃
Device Monitoring		No.	SN	Add Device	> Device	Forwarding IP	Com Status	Operation
				Device Type	Address =	-	0%	~
Device List		2		SUNGROW Logger	0	2	50 0%	
Firmware Update		3		Port	23	3	%0 9%	0
Inverter Log				NET				
AFCI Activation		4		Protocol type	4	4	\$3	0
		5		MODBUS-TCP	-	249	\$3	
Power Control				Peer IP Aridress				
🕚 History Data 🛛 👻				192.188.22.22				
O System 👻				Peer Port /1 655251				
 About 				502				
							09590990	,
							02020000	2
Logger1000	Ξ					⊗ 0 ▲ 0 	Help 🌐 Engl	ish 🙎 O&M user
Logger1000	E	to Search Add De	evice			0 0 🔺 0 🔞	Help 🌐 Engl	ish & O&M user
Logger1000	E Aut	io Search Add De	evice	Add Device	X Device	S0 A0 C	Help 💮 Engl	ish 🔹 O&M user
Logger1000	E Aut	io Search Add De	evice	Add Device 192.188.22.22	X Device Address ÷	SO AO S	Help	sh 🔹 O&M user
Logger1000		No.	svice SN	Add Device 192.188.22.22 Peer Port (1-85535)	X Device Address ÷ 1	So A o C) Help @Engl Com Status	sh 🔹 O&M user
Logger1000 Cverview Coverview		D Search Add De No. 1	evice	Add Device 192.188.22.22 Peer Port (1-85535) 502	X Device Address ÷ 1	Forwarding IP ÷ 1 2	Help @Engli Com Status \$3 \$3	Sh 2 O&M user
Logger1000		No. 1, 2 3	svice SN	Add Device 192.188.22.22 Peer Port (1-65535) 502 Device Model	X Device Address ÷ 1 9 23	 ● 0 ▲ 0 ● Forwarding IP ÷ 1 2 3 	Help @Engli Com Status S3 S3 S3	sh 208M user
Logger1000 Cverview Device Monitoring X Device A Device List Firmware Update Inverter Log		No. 2 3 4	SN	Add Device 192.188.22.22 Peer Port (1-85535) 502 Device Model SG_LOGGER1000	X Device Address = 1 9 23 1	O O	Help @Engli Com Status £3 £3 £3 £3	sh 208M user
Logger1000 Cverview Device Monitoring C Device List Inverter Log AFCI Activation		O Sourch Add De No. 1 2 3 4 . 5 5	sw	Add Device 192.188.22.22 Peer Port (1-65535) 502 Device Model SG_LOGGER1000 # Beginning Address (1-256)	× Address ÷ 1 9 23 1 	 0 ▲ 0 Forwarding IP 1 2 3 4 249 	Help @Engli Com Status \$3 \$3 \$3 \$3 \$3 \$3 \$3 \$3	Sh Cost user
Logger1000 Cverview Device Monitoring Cvervie List Firmware Update Inverter Log AFCI Activation Cverview		D Source Add Dz No. 1 1 2 3 4 5 3	SN	Add Device 192.188.22.22 Peer Port (1-65535) 502 Device Model SG_LOGGER1000 # Beginning Address (1-255) 247	X Address ÷ 1 9 23 1 -	 A 0 Forwarding IP 4 249 	Help @Engli Com Status S3 S3 S3 S3 S3 S3	sh 208M user
Logger1000		Source Add Dia 1 2 3 4 5 3	SN	Add Device 192.188.22.22 Peer Port (1-85535) 502 Device Model SG_LOGGER1000 Beginning Address (1-255) 247 Device Quantity (1-30)	X Device Address ÷ 1 9 23 1 - 5	O A A C	Help @Engli Com Status S3 S3 S3 S3 S3 S3 S3 S3	sh 208M user
Logger1000		O Sourch Add Da No. 1 2 3 4 . 5 .	SN	Add Device 192.188.22.22 Peer Port (1-65535) 502 Device Model SG_LOGGER1000 # Beginning Address (1-255) 247 Device Quantity (1-30) 1	X Address ÷ 1 9 23 1 1	O A O Forwarding IP ÷ 1 2 3 4 249	Help Com Status S3 S3 S3 S3 S3 S3 S3 S3	sh C&M user
Logger1000		D Source 1 Add Da No. 1 2 3 4 5 5	evice SN	Add Device 192.188.22.22 Peer Port (1-65535) 502 Device Model SG_LOGGER1000 Beginning Address (1-256) 247 Device Quantity (1-30) 1	X Device Address ÷ 1 9 23 1 - 5	 A 0 Forwarding IP 4 249 	Help @Engli Com Status S3 S3 S3 S3 S3 S3	sh C&M user
Logger1000		5 Source (Add Did No. 1 2 3 4 5	swice SN	Add Device 192.188.22.22 Peer Port (1-65535) 502 Device Model SG_LOGGER1000 Beginning Address (1-255) 247 Device Quantity (1-30) 1	X Device Address ÷ 1 9 23 1 1 -	A A A A A A A A A A A A A A A A A	Help Con Status S3 S3 S3 S3 S3 S3	sh C&M user
Logger1000 Cverview Coverview		Add Da No. 1 2 3 4 5	SN SN	Add Device 192.188.22.22 Peer Port (1-85535) 502 Device Model SG_LOGGER1000 Beginning Address (1-255) 247 Device Quantity (1-30) 1	× Device Address ÷ 1 9 23 1 - 5	O O	Help Com Status S3 S3 S3 S3 S3	A O&M user

Figure 2-10 Add Slave Loggers

2.7. Zero-export

2.7.1. Direct Connection Mode

Background:

Small industrial and commercial roof plant, one logger accesses all inverters of the plant. By accessing only, the meter at the grid-connection point, zero power feed-in can be achieved.



Figure 2-11 Direct Connection Mode

Step 1: Click "Power Control" -> "Active Power" to enter the corresponding interface.

Step 2: select "Local Power Control" in the "Active Control Mode", enter the value of "Communication abnormality output (%)" (In case of meter communication abnormality, a fixed setting ratio, which is settable, is issued).

Step 3: Select "Closed-loop Control" in the "Control Method", select the Meter in the "Select Meter", select "Cascading" in the "Wiring mode", select "Enable" in the "Start after communication recovery".

Step 4: Enter the value of "Start delay after communication recovery (0–120)s"(The logger will be able to issue a start instruction only after recovery of meter communication has been stabilized for a settable period of time), select "Disable" in the "Feed-in stop", Enter the value of "Control Cycle (5-60)s", select "%" in the "Instruction Type".

Step 5: Enter 0 in the "Percentage", then click "Save".

Logger1000	Ξ				🔕 0 🛕 0 🕜 Help	English & O&M user
II Overview	Active Control Mode					
	Local Power Control -					
 Device Monitoring 	Communication abnormality output (%)					
X Device 👻	100					
Power Control	Control Method					
Active Power 2	Closed-loop Control 🗢					
Departure Departure	Select Meter					
Pasacavia Power	UMG604(192.188.22.22-50. *					
Emergency Button	Winng mode	3				
History Data	Cescading					
o System 👻	Start after communication recovery					
 About 	Enable					
	Start delay after communication recovery (0–120)s					
	60					
	Feed-in stop					
	Disable					
	Control Cycle (5-60)S					
	10				00504	000
🤉 d 🖬 🙆	Instruction Type				02520	888
Logger1000					😂 0 🛕 0 🕜 Help	🔀 English 🔒 O&M user
Logger1000	Instruction Type 5 v				😒 0 🛕 0 📀 Help	🚭 English 🔒 O&M user
Logger1000	Instruction Type 55 v				2 0 🛕 0 🔹 Help	🖨 English 🔹 O&M user
Logger1000	Instruction Type % • •				😫 0 🛕 0 🕢 Heip	English & O&M user
Logger1000 Counter	E Instruction Type 5, Start Time		Percentage		●0 ▲0 ● Help	English 🔹 O&M user
Logger1000 Counteries Counteries Logger1000 Counteries Logger1000 Logger1000 Logger100 Logger10 Logger100 Logger10 Logger100 Logger10 Logger	Instruction Type 56 Start Time b 0.00		Percentage 0	5	● 0 ▲ 0 ● Help	Clear Date
Logger1000 Counter	Instruction Type % 4 5 5 5 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Percentage 0	6	● 0 ▲ 0 ● Help	Clear Data
Logger1000 Coverview	Start Time		Percentage 0	6		Clear Data
Logger1000 Counter	Start Time		Percentage 0	6		Clear Data
Logger1000	E Instruction Type 5		Percentage 0	6		Ceur Data
Logger1000	E Instruction Type % % 6 6 6 6 6 6 6 6 6 6 6		Percentage 0	5		Cear Data
Logger1000 Control of the former of the for	Start Time		Percentage 0	5		Cear Data
Logger1000 Control of the former of the for	E		Percentage 0			Cear Dute
Logger1000 Control	E		Percentage 0			Cear Date
Logger1000 Course Monitoring Device Monitoring Device Monitoring A Device Control A Device Active Power Reactive Power Emergency Button History Duta A System A Dout	E		Percentage 0			Ceer Dots
Logger1000 Course Monitoring Device Monitoring Device Monitoring Course Advantation Course Control Course Control Course	E		Percentage 0			Ceer Dots
Logger1000	E		Percentage 0			Cour Date
Logger1000 Counteries Countrol Cou			Percentage 0			Cour Date

Figure 2-12 Zero-export (Direct Connection Mode)

Suggestions to Users:

When the grid company requires immediate stop of the inverter in case of feed-in at the grid-connection point, or requires the recovery time of feed-in at the grid-connection point be less than 2s, Enable is selected for feed-in stop to enable the feed-in stop function.

2.7.2. Cascading Mode

Background:

Industrial and commercial roof plant (including multiple workshops or roofs). One logger (this logger serves as a slave logger) can access one workshop or roof only. Now one logger as a master logger needs to be added at the grid-connection point to collect data of the slave loggers.



Figure 2-13 cascading mode

Step 1: Click "Power Control" -> "Active Power" to enter the corresponding interface.

Step 2: select "Local Power Control" in the "Active Control Mode", enter the value of "Communication abnormality output (%)" (In case of meter communication abnormality,

a fixed setting ratio, which is settable, is issued).

Step 3: Select "Closed-loop Control" in the "Control Method", select the Meter in the "Select Meter", select "Cascading" in the "Wiring mode", select "Enable" in the "Start after communication recovery".

Step 4: Enter the value of "Start delay after communication recovery (0–120)s"(The logger will be able to issue a start instruction only after recovery of meter communication has been stabilized for a settable period of time), select "Enable" in the "Feed-in stop", Enter the value of "Control Cycle (5-60)s", select "%" in the "Instruction Type".

Step 5: Enter 0 in the "Percentage", then click "Save".



.ogger1000	Ē						🙁 0 🛕 0 🕜 Help	🕀 English 🛛 💄 O&M
rerview 👻	Instruction	п Туре	- 4					
wice Monitoring								
rice -						_		Clear Data
ver Control		Start Time			Percentage	6		
					0	-		
ve Power:								
tive Power								
gency Button								
na Dista 🚽								
ry Daia 🔹								
m -								
1								
		Save					02520	888

Figure 2-14 Zero-export (Cascading Mode)

2.7.3. Configuration of Slave Loggers

Step 1: Click "Power Control" -> "Active Power" to enter the corresponding interface.

Step 2: select "Remote Power Control" in the "Active Control Mode", enter the value of "Communication abnormality output (%)" (In case of meter communication abnormality, a fixed setting ratio, which is settable, is issued).

Step 3: Select "Open-loop Control" in the "Control Method".

Step 4: Enter the value of "Query recovery time(0-60)s" and the "Frame delay(4-

70)ms"(Generally the default value), then click "Save".



Logger3000	Ξ			80 🔺	0 🕜 Help 💮	English 🙎 O&M user	
ii Overview 🔫	Active Control Mode Remote Power Control 👻						
Device Monitoring X Device	Communication abnormality output (%) 100.0						
Active Power	Control Method 3						
Reactive Power	Query recovery time(0-80)s 0						
Emergency Button History Data	Frame delay(4-70)ms 18						
O System →	Save 4						
• Abolt							
e e <u>o</u>			8 8 A		7EF820	7EF82002	

Figure 2-15 Configuration of Slave Loggers

Step 5: Click "System" -> "Transfer Configuration" -> "MODBUS" to enter the corresponding interface, turn on the corresponding Local Port Switch.

Logger1000	Ξ				0 😣	🛕 0 🕜 Help 🛛 (English & O&M user
ដ Overview 👻	iSolarCloud IEC104	MODBUS 3	rd-party Portal				
Device Monitoring	Server Client	RTU					
X Device 👻							
1 Power Control 👻			1.1.1				White List Setting
🕄 History Data 🛛 👻	Local Port			Switch			
System 1	502		l				
Bun Information	504						
Sustan Maintonanco	505						
System Maintenance	506						
Remote Maintenance	507						
Message Export	508						
System Time	509						
Transfer Configuration	510						
Port Parameter	511						· · ·
	1.6			54		02520	888

Figure 2-16 turn on the Local Port Switch

2.8. Delete the Meter

Step 1: Click "Device" -> "Device List", then select the device which wants to delete and click "Delete".

Logger1000	Ξ							<mark>⊗</mark> 0 <u>A</u> 0 ⊘	Help	h 💄 O&M user
🖬 Overview 🔫	Auto	o Search Add De	vice						1	Delete 4
Device Monitoring		No.	SN	Device Name	Device Model	Port \$	Device Address 🗢	Forwarding IP	Com Status	Operation
X Device		1		DTSD1352(COM1-001)	DTSD1352	COM1	1	1	\$3	0
Device List		2		DTSD1352(COM1-009)	DTSD1352	COM1	9	2	\$3	0
Firmware Update		3		SG5KTL-MT(COM1-023)	SG5KTL-MT	COM1	23	3	\$3	0
Inverter Log		3		UMG604(192.188.22.22-502- 001)	UMG604	NET	1	4	\$3	0
AFCI Activation	Ū.	5		Meteorological Station	EM	÷. · · ·	-	249	\$3	
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🔇 History Data 🛛 👻										
• System -										
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Figure 2-17 Delete the meter

The End