

HCFA Micro Photovoltaic Inverter



User Manual



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Chapter 1 Account login and register

1.1 Login page

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If you have already created an account, just log in to the corresponding account directly.



1.2 New user registration

(taking mobile phone number registration as an example) fill in the account number, mobile phone number, enter the verification code, enter the login password, and finally click register. You can also register via email.

÷	Sign up	
Sign up		
Username		
E-mail		Send
Please ent	er the verification code	
Enter Pass	word	Same of
①Please ent	er a case-sensitive 6-32 digit pa	ssword
Please ent	er the password again	Sugar
	Sign up	

*Note: If the supplier has created a power station user or has created a power station user by yourself, you can directly log in to the account directly.

1.3 Introduction to the user account interface

The overview page contains information such as the total installed capacity, cumulative power generation, number of power stations and equipment under the account. The power station list is a list of all existing power stations displayed by power station users. Me page displays functions such as owner information and communication settings, system settings, etc.

	Overview	+		Plants	+			Ме	+
0.00 kW Current Power	100.00 kW Total Capacity	1 Plants	Q Please er	ter the name of the power pl	ant to search for		XXXXX Owner	кх	>
(A)				MMMM Normal	wb 0 .00 н	(1)-	ີ Wi-Fi Distribut	ionNetwork	>
0.00 kWh Yield Today	0.00 kWh Total Yield	O Total Devices		Power Yield Today	Peak Hours Today	٩	Device Diagno	sis	>
Power Station	Information					6	Proximal Moni	itoring	>
MMMM Normal									
0.00 0 kWh P	.00 H 100 .00 eak kW	0 0.00 kWh				Ū	Account Secu	rity	>
Yield H Today Te	ours Total oday Capacity	y Yield				<i>{</i> 0	3 System Setting	gs	>
Energy saving	and emission rec	luction					Software Infor	mation	>
0.00 kg Save Standard Coal	0.00 kg CO2 Reduction	0.00 kg S02 Reduction							
ft Overview	Plants	O Me	Overview	Plants	O Me		A Overview	Plants	e Me

Chapter 2 Add a power station to your account

2.1 Add a power station

Click the "+" sign in the upper right corner of the overview page, and "Add Power Station" will pop up. Click the pop-up window to enter the add power station page. Multiple power stations can be added under one account and the power station data can be summarized.

Overview	+ ← Create Plant	Finish
Create Pla	Essential Information	
0.00 kW Current Power Total Capacity Plants	Picture of the power station	ce Image
Image: Output definition Image: Output definition 0.00 kWh 0.00 kWh 0 Vield Today Total Vield Total Devin	* Name Please Enter The Plan	t Name
	* Plant Type Household Roofs	•
MMMM • Normal	* Grid Connection Type PV+Grid+Con+Battery	onsumptio
0.00 0.00 H 100.00 0.00	Installation Information	
kWh Peak KW KWh Yield Hours Total Total Today Today Capacity Yield	* Longitude/latitude Please E	nter >
Energy saving and emission reduction	* Time Zone	
Image: Color bit with the second se	* City	// >
Coal	* Region	
Overview Plants M		

Enter the necessary information about the power station and click Finish. For example, the power station in the picture below is named MMMM. Please fill in the correct installed capacity.

Plants +							
۹	Q Please enter the name of the power plant to search for						
Status Filte	Status Filtering 🔹 Peak Hours Today 💲 Name 💲 🛛 🍸						
5242Plant • Offline 0.00 kW Power Vield Today 69545Plant • Alarms							
	0.0 Pov	ver Vie To	00 kWh 0. eld Pe day Ho To	00 H eak ours day			
Ē		I O	9	~			
+	1	2	3	$\langle \times \rangle$			
*	4	5	6	•			
1	7	8	9	@			
符	返回	0		搜索			
~							

2.2 Power station page

Click MMMM in the list of power stations in the above figure to enter the corresponding MMMM page, which provides vital information about the power station, featuring real-time data, an alarm list, equipment management, and a comprehensive information interface.

←	М	имм		+	
Normal		C	Overca	ast 30.8℃	
0.00 k Current Po	W wer		100.00 Total Caj) kW pacity	
0.00 kN Yield Tod	Wh ay	\$ Revenue Today			
0.00 kWh Yield Month	0.0 Yie	00 kWh eld Year	C T	0.00 kWh Total Yield	
Statistics	Day	Month	Year	Total	
<	111 20	024-09-10		>	
Power(kW)					
0.9 0.8 0.7 0.6 0.5 0.4 0.3 0.2 0.1					
0.1 -	Alerts	Devic	es P	ower Statio	

Chapter 3 Add device to the power station

3.1 Add device

Click the "+" sign in the upper right corner of the corresponding power station page, scan the DTU ID barcode on the back of the device, and then fill in the device information to complete device addition.

÷	Add Device
DTU ID	56418819177623784906
Rated Power	Please Enter kW
Belong Plant	ММММ
Device Name	Please Enter
Return	Confirm

Chapter 4 Device WIFI distribution network

4.1 Distribution network preparation

(1) WiFi-2.4G signal is required. If the router is too far away from the device and the signal weakens, the distribution network may fail. A repeater can be used to enhance the WIFI signal. When distributing network, it is recommended to be within a 10 meter range of the equipment.

(2) The microinverter needs to be powered normally, the photovoltaic panel should be sufficiently exposed to sunlight, the PV line should be correctly connected to the device, and the device indicator light should be on.

4.2 Distribution Network Steps

Firstly, turn on the phone's Bluetooth, then open the app "My" interface, click on WiFi, select the same DTU ID as the device to be configured, select the corresponding 2.4G WiFi, enter the password, and finally click on Setup. If a successful prompt pops up, then the network configuration is completed.

Ме	+	← Wi-Fi Configuration Diagnose
HCrdtest Owner	>	ID: 65205072788304428865
		Wi-Fi SSID: PI
🔶 Wi-Fi DistributionNetwork	>	
↓↓ Device Diagnosis	>	Wi-Fi key: Please input Wi-Fi key
Proximal Monitoring	>	More 🕨
(i) Account Security	>	Setup
 System Settings 	>	I. Please check your router is power on. Z. Datalogger only support Wi-Fi frequency band with 2.4G.
E Software Information	>	
Overview Plants	Q Me	

After installing each device, you need to configure the network. After the network configuration is completed, the device status can be monitored normally on the mobile APP.



Chapter 5 Query the status of power stations and equipment.

Introduction to common functions for power station users: query of power generation data, search forequipment, and equipment diagnosis.

5.1 Power generation data query

Select any device in the power station to view the historical power generation of that device.

\	in2-flash-76	6916	(¢)		
DtulD 96239657	7788827766916				
Power limit	t setting				
Runni	ng	Stop Run	ning		
Statistics	Day Mon	ith Year	Total		
<	2024-09	-25	>		
Generating Ca	pacity(kWh)Yield ⁻	Foday:2.40 k	WhPower(kW		
0.9			0.9		
0.8	M		- 0.8		
0.7			- 0.7		
0.6			0.6		
0.5 -			- 0.5		
0.4	\sim		0.4		
0.3	N		0.3		
0.2	J		0.2		
0.1			. 0.1		
00:00 04:	00 08:00 12:00 1 ing Capacity(kWl	6:00 20:00 n)	Power(kW)		

5.2 Search for device

In the power station-device list, you can quickly search for the device based on the serial number or device name through the search box above.

÷	мммм +			
Inverter		Compone	nt	
Q Enter ser	ial number/dev	rice name sea	arch	
Status Filtering	▼ Posi	tive order by na	me 🔻	
	9		Øð	
Real-time A	lerts De	vices Por	wer Statio	

5.3 Device Diagnosis

In APP-Me-Device Diagnosis (note that this function requires turning on the Bluetooth function of the mobile phone), you can scan the device DTU ID QR code or manually enter the DTU ID, click to connect the corresponding device, and click Diagnosis to determine the reason why the device is offline. and then correspondingly solve the device fault.

Ме	+	← Device Diagnosis-Connected
HCrdtest Owner	>	ID: 14325936126835241005
? Wi-Fi DistributionNetwork	>	Diagnose
¦∮Ŷ Device Diagnosis	>	
Proximal Monitoring	>	Diagnose result Please diagnose
Account Security	>	Pevice
 System Settings 	>	UART parameters -
E Software Information	>	Network parameters
		Status Unconnected
		RSSI
Overview Plants	Q Me	Network Type Wi-Fi

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