

OPTI-Solar

OPTI-SOLAR WEBPAGE MONITORING

&

OPTI-DR

Installation & Operation Manual

Version 1.0

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OPTI-SOLAR WEBPAGE Monitoring

What we need:

1. OPTI-SOLAR Hybrid Inverter
2. OPTI-DR : The gateway transceivers data from/to inverters
3. Local computer and mobile device: Computer and mobile device used to view data
4. Router: A network device managing the data transfer in LAN and to Internet
5. Remote computer & mobile device: Computer and device outside LAN

System Requirements

Devices

- 1 Computer or Laptop: installed with web browser such as IE, Chrome and Safari.
- 2 Inverters with RJ45 port (RS232).

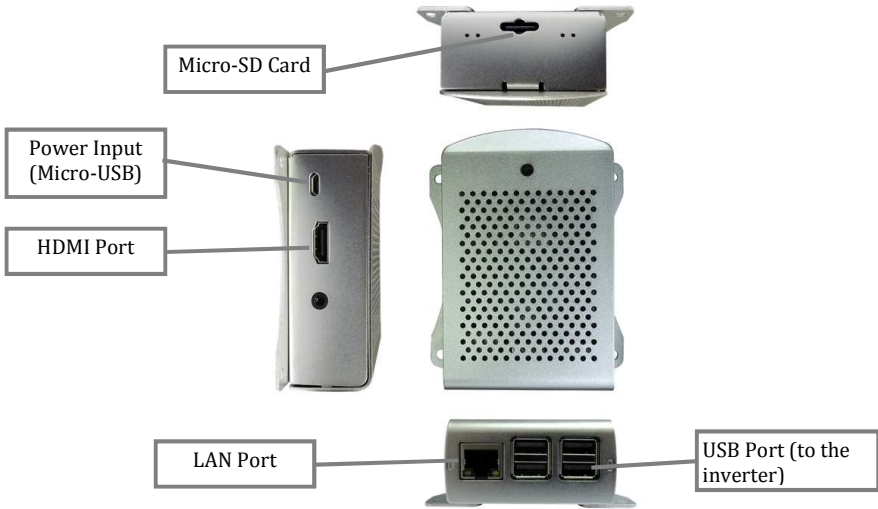
Environments

- 1 Wi-Fi: 802.11 b/g/n.

OPTI-DR

This device(gateway) is to connect with the inverter and transmit the DATA via WIFI(internet). All the DATA will be stored in server of OPTI server room.

Outlook



OPTI-DR



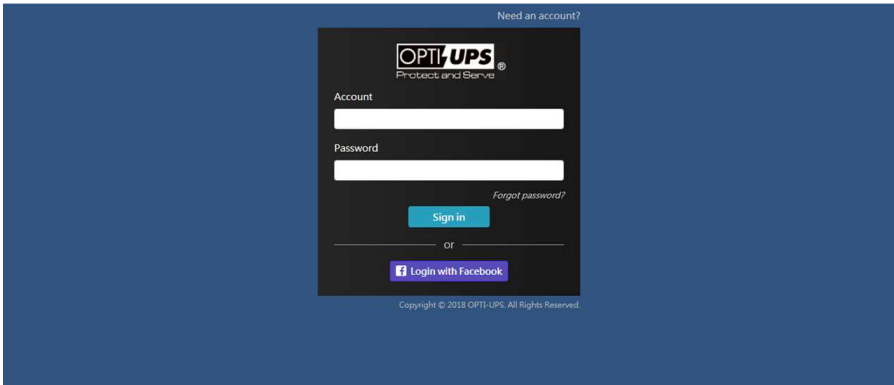
OPTI-SDR

Setup

Apply an account in OPTI-SOLAR WEBPAGE

Before transmitting data to OPTI Web server, you need to apply an account for this service.

Please use Internet browser, go to <http://ehub.opti-solar.com>



Register an Account

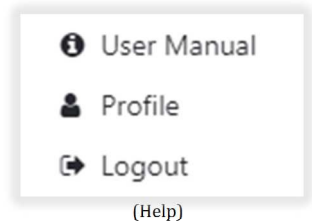
1. Please register via “Need an account” or Login via “Facebook”.
2. Login OPTI web browser successfully

About OPTI-SOLAR WEBPAGE

Layout & Information



- 1 Information List: List all the selection for the data, management & Setting.
- 2 Scroll: hide the Information List
- 3 Information: By clicking on each block, the detail information will appear here
- 4 Menu: There are 5 selections
 - Error History(management issues): view the time of the Error occurred.
 - Calendar: The tool to schedule the tasks
 - Message: System announcement or Q&A.
 - Language: English, Chinese & Japanese.
 - Help: user manual, personal profile & Log-out.



Dashboard

This is the main page after log-in.



1. Gateway Amount: the QTY of the inverter that you can manage
2. API Calles Times: the times that all the accounts called the OPTI-DR.
3. Error: the times that each Error occurred.
4. Service: the service that the user requests.
5. Inverter Info: the real-time status of the inverter.
6. API Calls: the record of the API calls.
7. Disconnection: it shows the detail that OPTI-DR disconnect from the inverter.

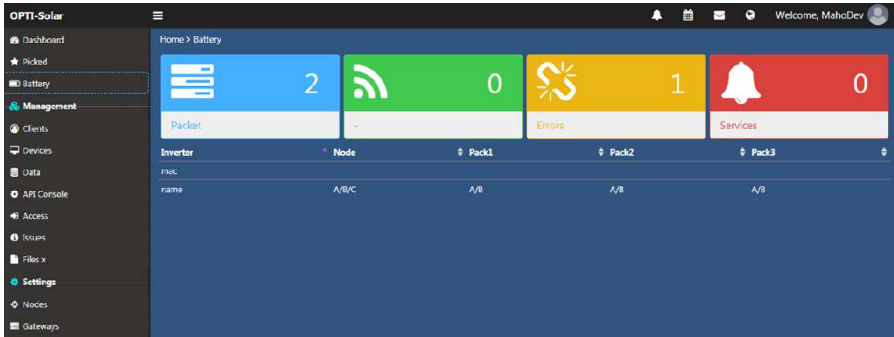
Picked

In this page, you could view all the “Picked” OPTI-DR. (Please find “Gateway” in page 14 for more information)



Battery

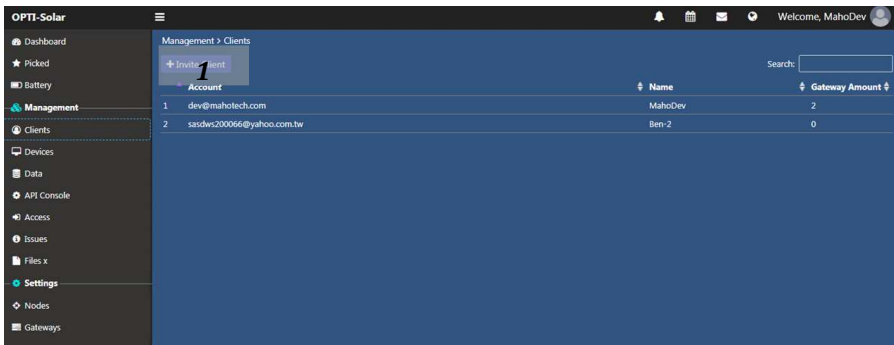
This page is for the special requirement (non-released)



Management

Client

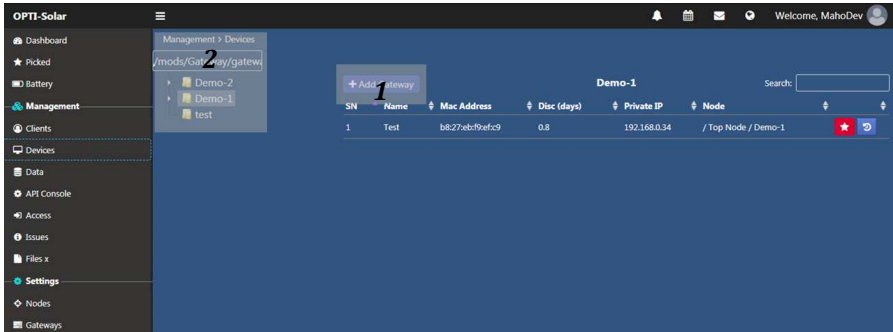
The detail of all the accounts



1. Invite Client: Invite the account to observe client's information from OPTI-DR.

Device

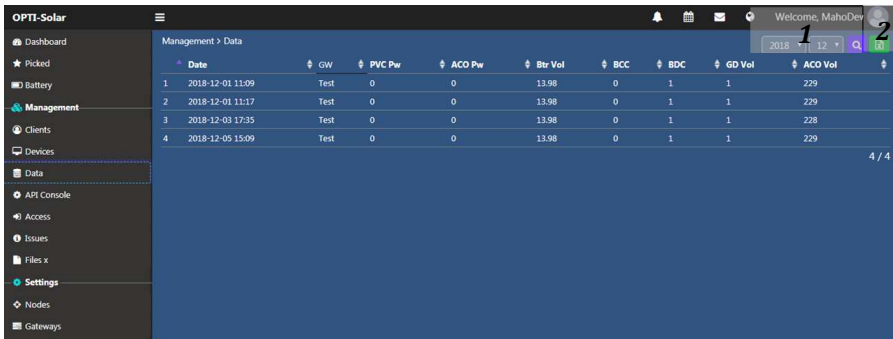
The information of the OPTI-DR



1. +Add Gateway: add more OPTI-DR in this section(“Gateway” in Management)
2. This section is to arrange all the OPTI-DR in separate files.(“Nodes” in Settings can add more category or location in this section)

Data

All the detail data of the OPTI-DR




1. [2018] [12] [Search]: Review the record of the selected month
2. [Export]: Export the data in excel file.

API Console


This page explain the API method how to get access in OPTI-DR without OPTI-SOLAR webpage monitoring.

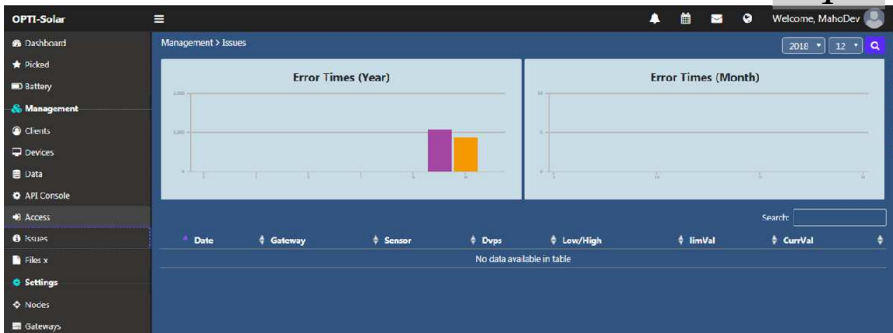
Access




The detail about the times of the login

1. : Review the record of the selected month

Issues

The detail about the error. (the same as  in the menu)



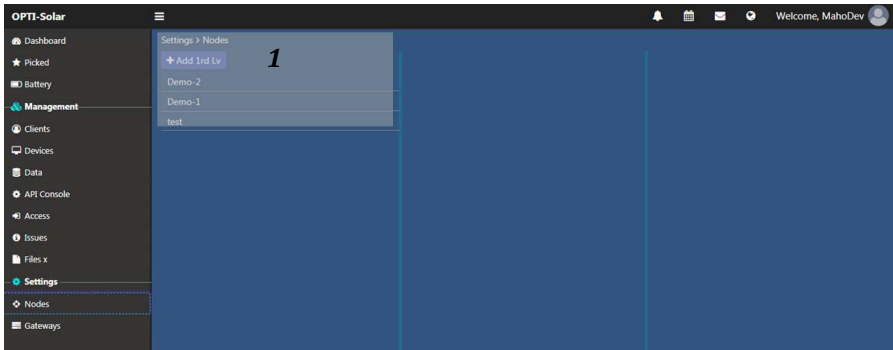
1.   : Review the record of the selected month.

Files X: non-released

Settings

Nodes

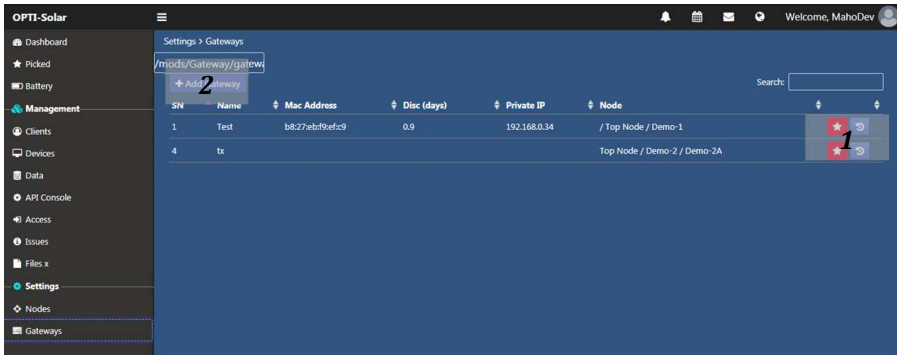
This page is to create the files in “Device” of the Management



1. +Add 1rd Lv: create the first level category or the name of the location and grade all file in the different sheet.

Gateway

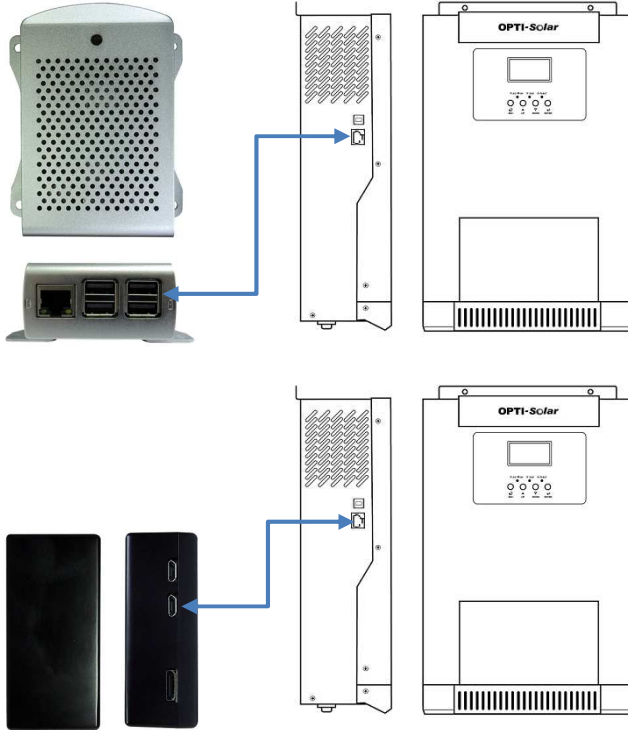
We could add more OPTI-DR and select the “Picked” OPTI-DR in this page.
(Please compare with “Picked” in page 9)



1. ★: select as “Picked” and indicate in the “Picked” section
2. + Add Gateway: add more OPTI-DR

Start to Monitor the inverter via OPTI-DR

Connect the OPTI-DR to the inverter



Powering OPTI-DR (NOTE !!)

Use the 5V/0.5A adaptor to power via Power Input

Connecting RJ45 port

To communicate with inverter, you should connect the API BOX to the JR45 port of the inverter

1. OPTI-DR: USB Port
2. OPTI-SDR: Micro-USB Port

Add the OPTI-DR into the OPTI-Solar WebPage

Each OPTI-DR will come with a serial number.

Find the WIFI

Make sure the WIFI is active for the OPTI-DR

Build-up the connection between WIFI & OPTI-DR

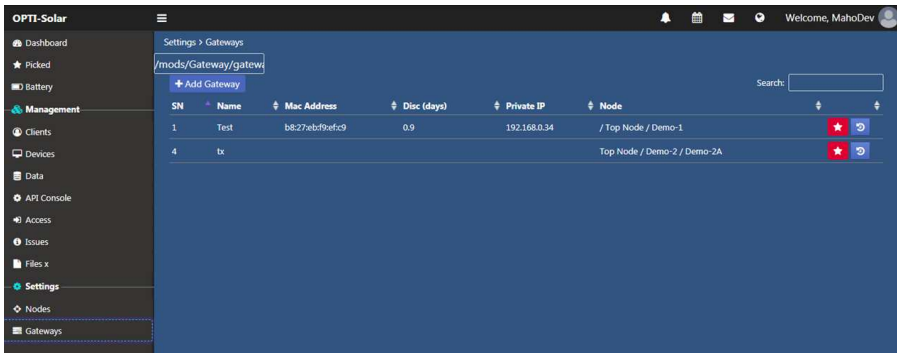
Open the WIFI function of Smart-phone and try to find “OPTI-DR” as one of the WIFI source. Then the login page will pop-out automatically and we can connect OPTI-DR with the WIFI.

Login OPTI-Solar Website Page

Please follow Page 6 and Login the Page

Build-up the communication

1. Go to the page of Gateway (Settings) and click “Add Gateway”.



2. Put the serial number of OPTI-DR in to the blank and click “Add”.



3. The new added OPTI-DR will pop-out in the list of Gateway page.

Token code

The token code is generated automatically after registering an account. Add the token code in API Console and submit it. Afterward, it will allow the account owner to access the DATA via OPTI-DR directly.

