

SolarEagle

User Manual



Management Software for Charger and Inverter

Table of Contents

1. SolarEagle Overview.....	2
1.1. Introduction.....	2
1.2. Features.....	2
2. SolarEagle Install and Uninstall.....	2
2.1. System Requirement.....	2
2.2. Software Install.....	2
2.3. Software Uninstall.....	6
2.4. Startup.....	6
3. SolarEagle GUI Interface.....	7
3.1. System.....	8
3.1.1. Password.....	8
3.1.2. Communication.....	9
3.2. Control.....	10
3.2.1. Parameter Setting.....	10
3.2.2. Real-time control.....	10
3.3. Statistics.....	11
3.3.1. Power generation log data.....	11
3.3.2. Data.....	12
3.3.3. Fault data log.....	12
3.3.4. Event log.....	13
3.4. Log in and Log out.....	14
3.5. Language.....	14
3.6. Help.....	14



1. SolarEagle Overview

1.1. Introduction

SolarEagle is an charger and inverter monitoring software; it can monitor up to 124 devices via Serial port at the same time. The major functions of SolarEagle monitoring software include data log for device, power generation statistics, alarm messages, fault messages, and parameter settings for devices.

1.2. Features

- Automatic and real-time data obtainment of devices and secure data log savings
- Graphic display of device data for quick and easy reading
- Instant warning notifications or fault alarms to customers.

2. SolarEagle Install and Uninstall

2.1. System Requirement

- 512 MB physical memory at least (1 GB is recommended)
- 2GB hard disk space at least
- Administrator authority is required
- More than 32-bit colors and 1280 x 800 or above resolution display is recommended
- An available communication port is needed
- Platforms supported by software are listed below:
 - Windows XP
 - Windows VISTA
 - Windows 2003(32-bit & x64-bit)
 - Windows 2008(32-bit & x64-bit)
 - Windows 7(32-bit & x64-bit)

2.2. Software Install

Step 1 After clicking install button, it will display the installation in process. Please refer to the diagram 2-1.

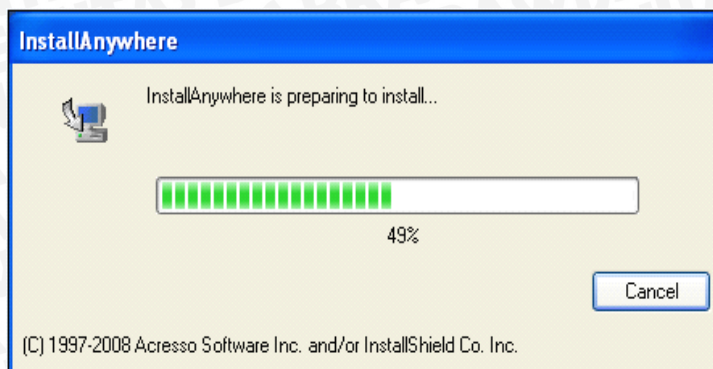


Diagram 2-1

Step 2 Choose the language wanted and click "OK" as shown in Diagram 2-2.

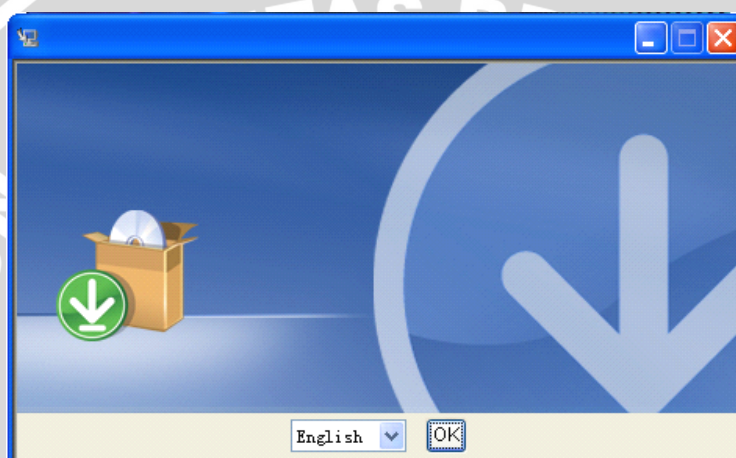


Diagram 2-2

Click "Next" to proceed to the next screen as shown in Diagram 2-3.

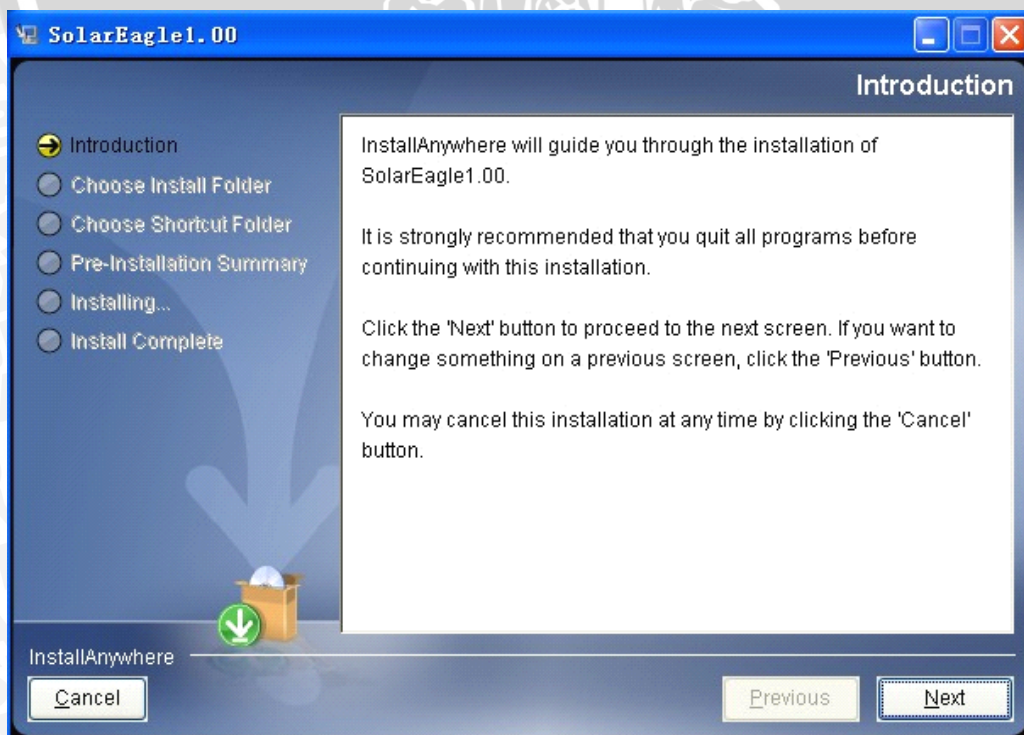


Diagram 2-3

Step 3 Click "Choose" button to change the default destination folder. After choosing the destination folder, click "Next" button. Please refer to the following Diagram 2-4.

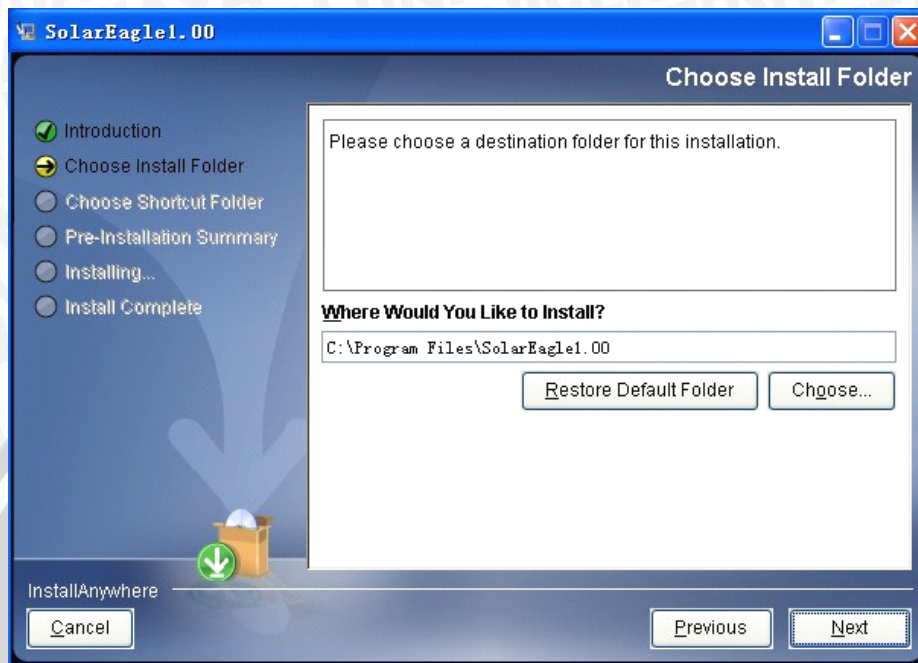


Diagram 2-4

Step 4 Choose the shortcut folder and click "Next" button. Please refer to the following Diagram 2-5.

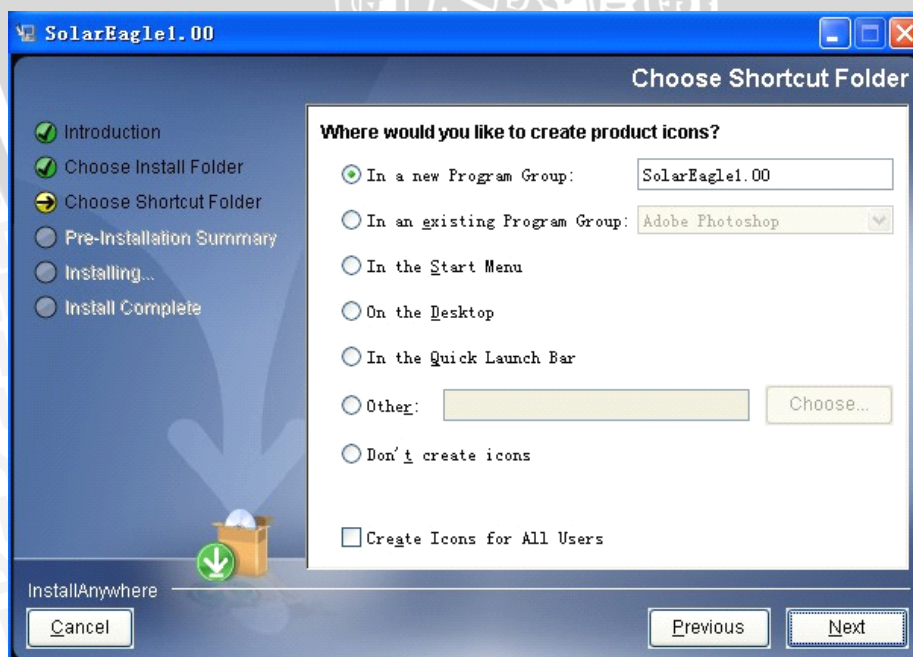


Diagram 2-5

Step 5 It will display the software summary information before the installation. Click

“Install” button to start the installation as shown in Diagram 2-6.

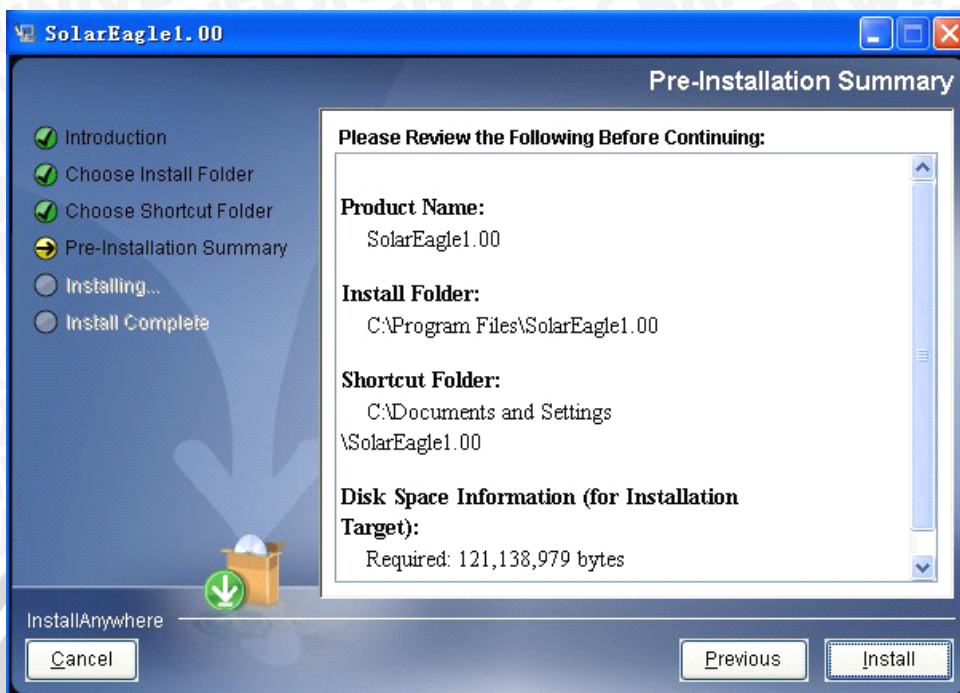


Diagram 2-6

Step 6 Installation process, please refer to Diagram 2-7.

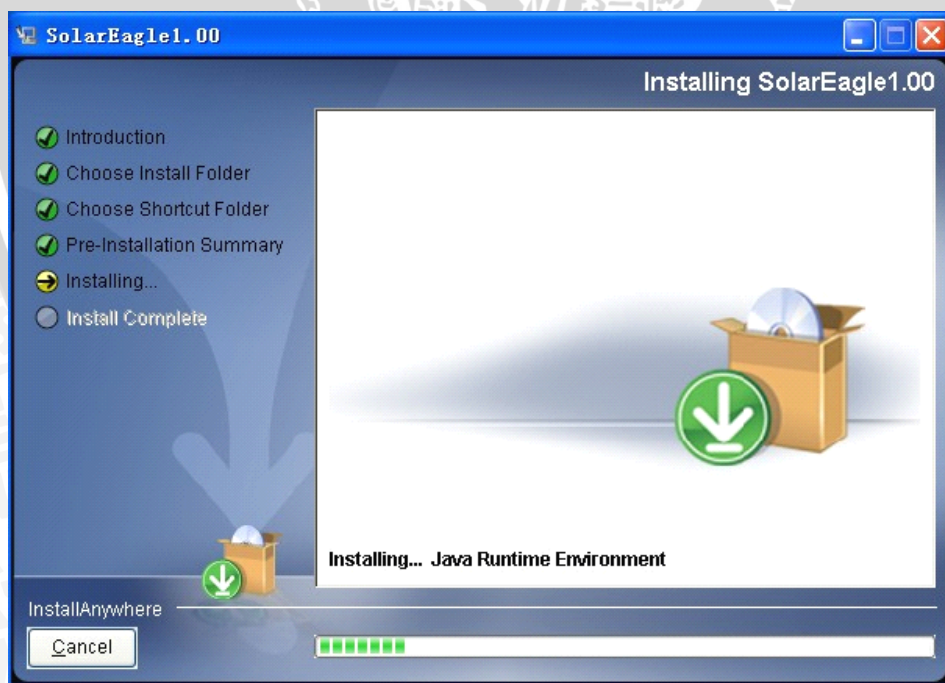


Diagram 2-7

Step 7 Click "Done" button to complete the installation. Please refer to Diagram 2-8.

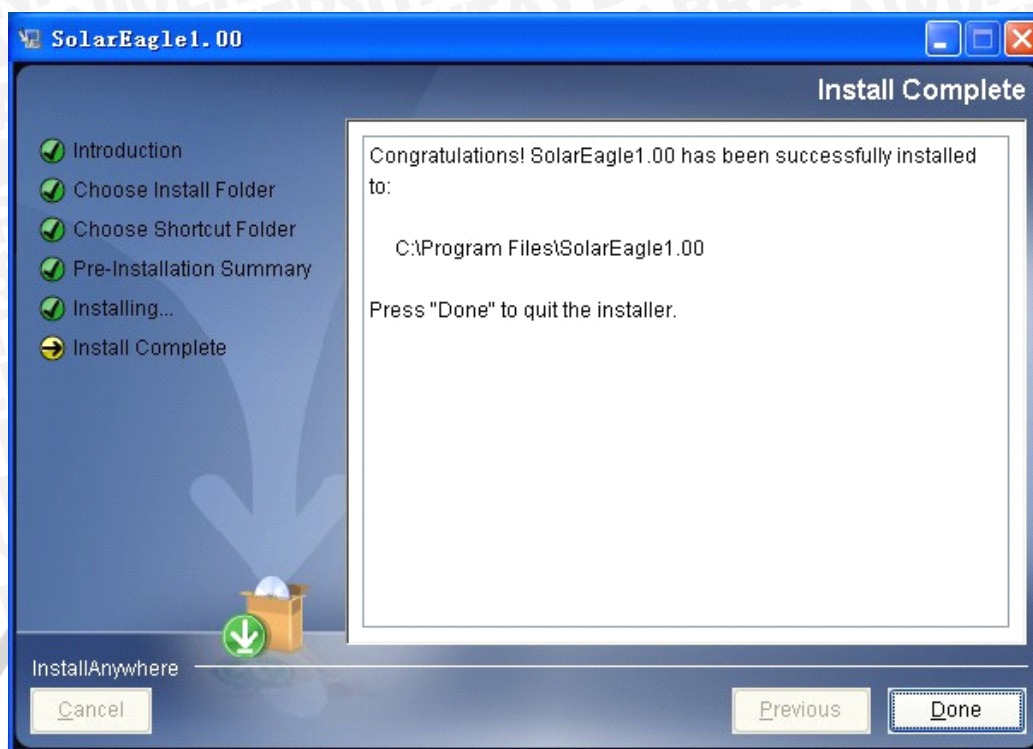


Diagram 2-8

2.3. Software Uninstall

Please choose Start >> All Programs >> SolarEagle1.00 >> Uninstall. Then follow the on-screen instruction to uninstall the software.

Note: Before uninstalling the software, you must stop all software programs first and then log in as "Administrator"! Otherwise it can't be uninstalled completely.

2.4. Startup

The Installer will leave a shortcut icon called "SolarEagle" on your desktop. Refer to Diagram 2-9. Simply double click the shortcut to start the software.



Diagram 2-9

3. SolarEagle GUI Interface

SolarEagle GUI Interface has five sections as marked in the illustration below:

A. Function Menu offers complete tool-set for navigating and setting the GUI.

B. Shortcut Menu provides short cuts to more commonly used functions.

C. Device Navigation indicates all devices locations.

D. Current Monitoring Information displays User ID, charger or inverter ID, work mode, temperature.

E. Main Client Area

This function is to display power flow, device information, input power information, output power information and real-time events of current monitored device. Please refer to the Diagram 3-1.

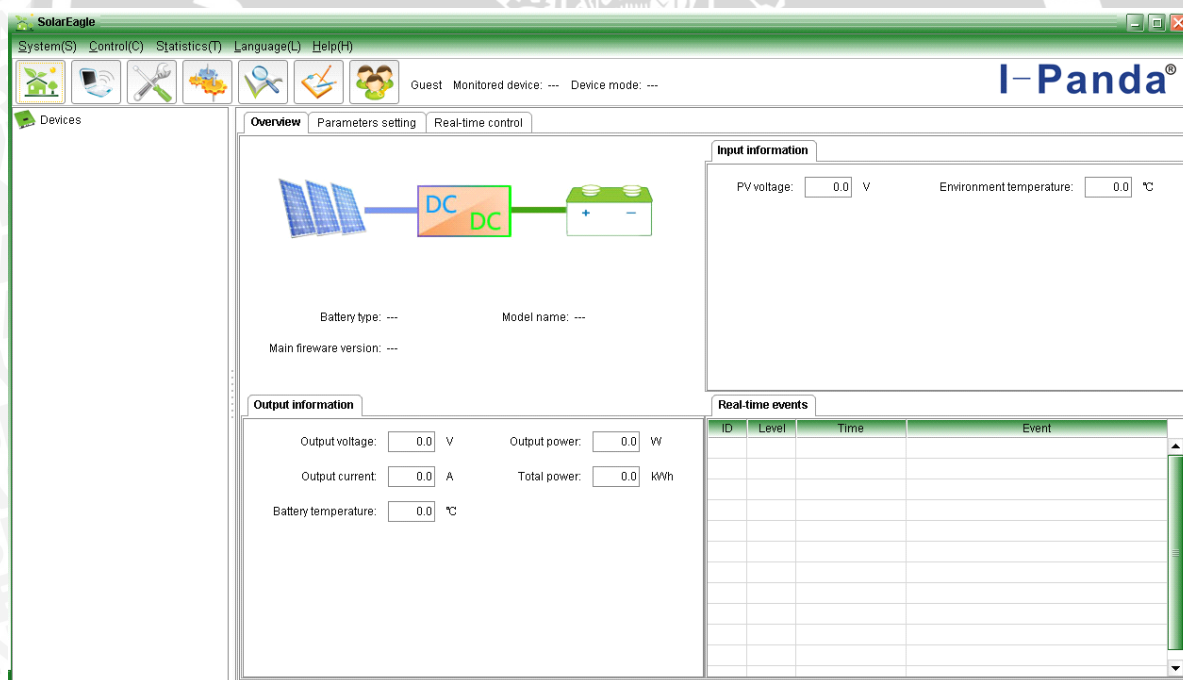


Diagram 3-1

- **Power flow:**

Power flow diagram includes PV panels, conversion, battery and the utility, it will change color depending on current working situations.

- **Device information:**

Device information includes: Model type, Model name, Nominal output power, Manufacturer, Firmware version and so on.

- Input power information:
Input power information includes: Input voltage, Input current, Input power, Insulation, GFCI current monitoring and so on.
- Output power information:
Output power information includes: Total operation hours, Grid voltage, Output /charge current, Grid frequency, Output/charger power, Total ac power and so on.
- Real-time events:
"Real-time events" displays instant event occurs during operating.

3.1. System

3.1.1. Password

It's password configuration for Administrator of the PC only. Before operating and configuring the software, please login first and change the password. The default password is "**manager**" for first log in SolarEagle. Users can only browse Device status and information as a Guest account. A Guest has no control to any settings to SolarEagle.

Step 1 Select System>>Password. Refer to Diagram 3-2.

Step 2 Enter old password, new password, and retype new password to change password for administrator. (The password should be at least 6 digits or letters)
Then click "Apply" button to complete the operation.

NOTE1: Simply click "Login" button on the top right corner to log in the software.

NOTE2: Do keep your password carefully, if it is forgotten, you will have to re-install the software.

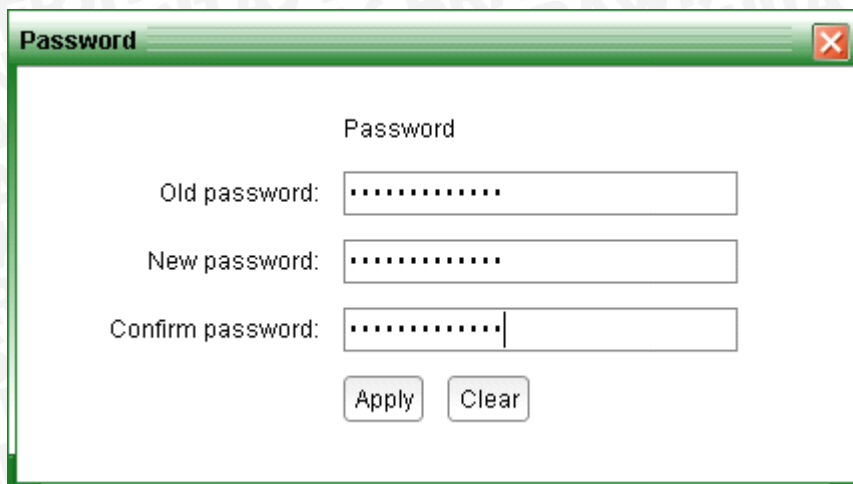


Diagram 3-2

3.1.2. Communication

Select System >> COM settings or select shortcut icon . Please refer to the Diagram 3-3.

The communications includes serial port and TCP protocols; first choose the communication mode and then set the parameters.

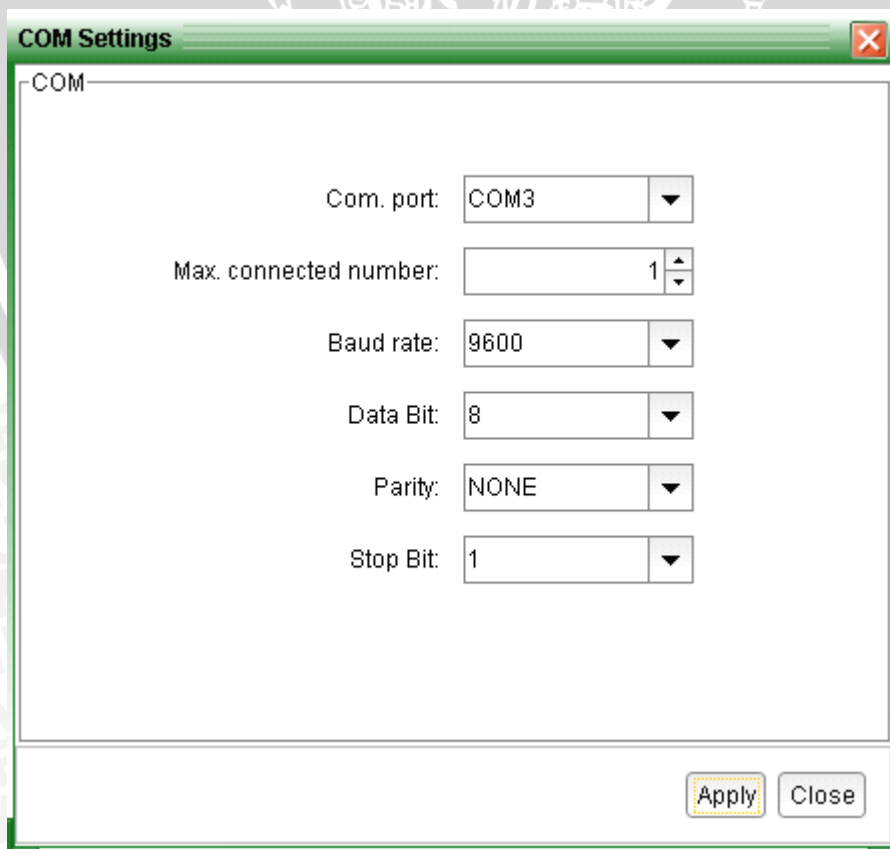



Diagram 3-3

3.2. Control

3.2.1. Parameter Setting

Select Control >> Parameter Setting or select shortcut icon . Please refer to the Diagram 3-4.

Step 1 Change the parameters by clicking the up and down arrows or change the figures manually in the number column.

Step 2 Click "Apply" button to save the settings. Each function setting is saved by clicking each "Apply" button.

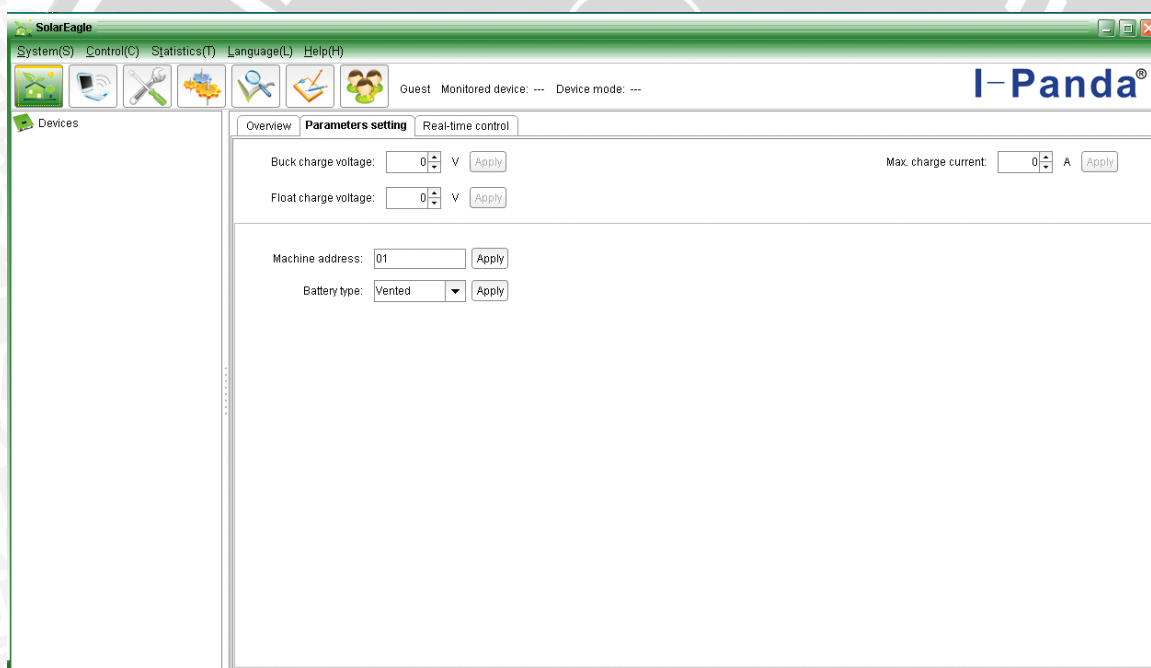



Diagram 3-4

3.2.2. Real-time control

Select Control >> Real-time control or select shortcut icon . Please refer to the Diagram 3-5.

Reset to Factory settings: Click 'Apply' to restore all the factory settings.

Reset the electricity: Click 'Apply' to clear all the records of electricity.

3.4. Log in and Log out



Icon to display that users haven't log in SolarEagle



Icon to display that users have logged in SolarEagle

3.5. Language

Currently, Solar Eagle software offers 11 languages for selection:

- ✓ Chinese
- ✓ English
- ✓ German
- ✓ Italian
- ✓ Polish
- ✓ Portuguese
- ✓ Russian
- ✓ Spanish
- ✓ Ukrainian
- ✓ French
- ✓ Turkish

3.6. Help

- **Help:** Before operating the software, please read through the manual carefully.
- **About:** Click "Help" menu and select "About" item. It contains the copyright information about SolarEagle software