Sunairplus solar power controller

What is sunairplus solar power controller/charger/data collector?
SwitchDoc Labs SunAirPlus Solar Power Controller/Charger/Data Collector SunAirPlus is a 3rd Generation Solar Charging and Sun Tracking Boarddesigned by and manufactured by SwitchDoc Labs. You can use this board to power your projects and add a servo or stepper motor to allow it to track the sun using photoresistors to generate even more power.

What is a Sunair & sunairplus solar charging board?
SunAir and SunAirPlus are 3rd Generation Solar Charging and Sun Tracking Boardsdesigned by Dr. John C. Shovic at SwitchDoc Labs. You can use this board to power your projects and add a servo or stepper motor to allow it to track the sun using photoresistors to generate even more power!

Is the Sunair solar panel controller available to ship internationally?
This is the Ultimate Solar Panel controller for Raspberry Pi and Arduino projects. These boards are designed with a lot of flexibility for you to innovate your design. Yesit is available to ship internationally. SunAir Product Page - Solar Power Controller for Raspberry Pi,Arduino and Cell Phone Chargers.

Does sunairplus have a current & voltage sensor?
SunAirPlus also contains an INA3221 3 channel current and voltage sensor. It reads current and voltage from the battery,the solar panel and the voltage and current going to the load (the ESP8266). It allows you to see exactly what is going on in your solar panel system. More data the better,we say at SwitchDoc Labs.

What is Sunair & how does it work?
SunAir is a solar power controller/sun tracker/power supply systemdeveloped by SwitchDoc Labs to power Arduino- and Raspberry Pi-based systems (Figures 2 and 3). Internally,it is not a simple system,but it is designed to be simple to use. Figure 2: SunAir block diagram. Figure 3: The SunAir assembled board.

Can you use Sunair boards to power solar cells?
You can use the SunAir boards to control and power solar cell projects. To generate even more power from the cells for little cost,a servo or stepper motor can track the sun using photoresistors. Tracking the sun can increase solar power generation by 20% to 30%. The SunAir and SunAirPlus boards are customizable with software and hardware.

SunAir and SunAirPlus are 3rd Generation Solar Charging and Sun Tracking Boards designed by Dr. John C. Shovic at SwitchDoc Labs. You can use this board to power your projects and add a servo or stepper motor to ...

1 SwitchDoc Labs SunAirPlus Solar Power Controller; 2 3300 mAh 3.7V LiPo batteries; 1 Raspberry Pi Model A; Wifi; 3 Adafruit INA219 Current Sensors (I2C) - Now included in SunAirPlus; 1 Adafruit 12 bit A/D (I2C) ...

Sunairplus solar power controller

The SunAir and SunAirPlus boards were the result. The key to making a solar power project work for a long time in a variety of environments (e.g., clouds, rain, wind, and varying power consumption) is to gather data and ...

SunAirPlus Solar Power Controller Board Product Specification Theory of Operation Solar Charge Controller The Solar Charge Controller on SunAirPlus is based ...

Fully Assembled Solar Cell Controller Board and Sun Tracker for Arduinos /Raspberry Pi / Phone Charging. Plus Open Source Drivers. About this project What

The Solar Power Subsystem of GroveWeatherPi uses a SunAirPlus Solar Power Controller which handles the solar panels, charging of the battery and then supplies the 5V to the Raspberry Pi and the rest of the system. It ...

WeatherPi Solar Power Weather Station - Monitoring the Sun April 3, 2015 Matplotlib Graphs, Products, Project Curacao, Projects, Python Raspberry Pi Software, Raspberry Pi, Solar Power, SunAirPlus, SwitchDoc ...

You can use this board to power your projects and add a servo or stepper motor to allow it to track the sun using photoresistors to generate even more power! It incorporates a number of outstanding features in a very ...

By analogy to the INA219, GND input became the V+ (connected to power supply), the Channel input became V- (connected to load +). I tried the 3 channels and now they work independently with 3 independent power rails ...

SunAirPlus is a solar power controller / sun tracker / power supply system developed by SwitchDoc Labs to power Arduino and Raspberry Pi based systems. The board ...

SunAir is designed for the Raspberry Pi. Solar Power System for your Arduino / Raspberry Pi Solar Power Charger for your Phone or Battery Pack Track the Sun and Turn the Panels for 25%-30% More Power With ...

In this Instructable we are showing how to build a solar powered ESP8266. We connect up an ESP8266 to the SunAirPlus Solar Power Controller/Charger/Data Collection board and to a ...

Includes high quality ADC and Current and Voltage Data Gathering. Supports Grove Connectors and Pin Headers. Ever wanted to build your own Solar Powered Raspberry Pi or Arduino ...

WeatherPi Solar Power System in Action! WeatherPi Solar Power System Performance. WeatherPi is a do-it-yourself Raspberry Pi based Solar Powered Weather Station. The solar power system consists of two

Sunairplus solar power controller

Voltaic ...

GROVE/PINS SUNAIRPLUS SOLAR Power Controller/Collector-Raspberry Pi/Arduino - EUR 41,74. À VENDRE! SunAirPlus is a solar power controller / sun tracker / data 162042292052. ...

Ever wanted to build your own Solar Powered Raspberry Pi or Arduino system? SunAir and SunAirPlus are 3rd Generation Solar Charging and Sun Tracking Boards designed by Dr. John C. Shovic at SwitchDoc Labs. You can use this ...

@brianr Yes I did and here is the code: o code: // // SDL_Arduino_INA3221 Library Test Code // SDL_Arduino_INA3221.cpp Arduino code - runs in continuous mode // Version 1.1 // SwitchDoc Labs January 31, ...

SunAirPlus Solar Power - INA3221 Arduino Library Released Final Debug of SunAirPlus. SunAirPlus and SunAir are solar power controllers / sun tracker / power supply system developed by SwitchDoc Labs to power ...

The board has solar panel charge control system, a voltage booster, two A/D systems and GPIO interface circuitry systems for voltage level shifting and for servo motors as well as aiding in stepper motor control. ...

There are two independent solar power systems, each run by a separate SunAirPlus solar power controller/data collector. Each SunAirPlus has a 3 channel INA3221 ...

Web: https://bardzyndz