

# Global PV Solar Energy Charge Controller Market by Manufacturers, Countries, Type and Application, Forecast to 2022

<https://marketpublishers.com/r/G680304BFF7EN.html>

Date: September 2017

Pages: 121

Price: US\$ 3,480.00 (Single User License)

ID: G680304BFF7EN

## Abstracts

PV Solar charge controllers, also known as PV solar charge regulators, are used in solar energy systems to protect the battery from being overcharged and over-discharged. The main types of solar charge controllers in this report covered MPPT and PWM.

Scope of the Report:

This report focuses on the PV Solar Energy Charge Controller in Global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application.

Market Segment by Manufacturers, this report covers

Phocos

Morningstar

Steca

Shuori New Energy

Beijing Epsolar

OutBack Power

## Remote Power

Victron Energy

Studer Innotec

Renogy

Specialty Concepts

Sollatek

Blue Sky Energy

Wuhan Wanpeng

## Market Segment by Regions, regional analysis covers

North America (USA, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

Asia-Pacific (China, Japan, Korea, India and Southeast Asia)

South America (Brazil, Argentina, Columbia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

## Market Segment by Type, covers

PWM PV Solar Energy Charge Controller

MPPT PV Solar Energy Charge Controller

Market Segment by Applications, can be divided into

Industrial & Commercial

Residential & Rural Electrification

There are 15 Chapters to deeply display the global PV Solar Energy Charge Controller market.

Chapter 1, to describe PV Solar Energy Charge Controller Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of PV Solar Energy Charge Controller, with sales, revenue, and price of PV Solar Energy Charge Controller, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of PV Solar Energy Charge Controller, for each region, from 2012 to 2017;

Chapter 5, 6, 7, 8 and 9, to analyze the key regions, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2012 to 2017;

Chapter 12, PV Solar Energy Charge Controller market forecast, by regions, type and application, with sales and revenue, from 2017 to 2022;

Chapter 13, 14 and 15, to describe PV Solar Energy Charge Controller sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

## Contents

### 1 MARKET OVERVIEW

- 1.1 PV Solar Energy Charge Controller Introduction
- 1.2 Market Analysis by Type
  - 1.2.1 PWM PV Solar Energy Charge Controller
  - 1.2.2 MPPT PV Solar Energy Charge Controller
- 1.3 Market Analysis by Applications
  - 1.3.1 Industrial & Commercial
  - 1.3.2 Residential & Rural Electrification
- 1.4 Market Analysis by Regions
  - 1.4.1 North America (USA, Canada and Mexico)
    - 1.4.1.1 USA Market States and Outlook (2012-2022)
    - 1.4.1.2 Canada Market States and Outlook (2012-2022)
    - 1.4.1.3 Mexico Market States and Outlook (2012-2022)
  - 1.4.2 Europe (Germany, France, UK, Russia and Italy)
    - 1.4.2.1 Germany Market States and Outlook (2012-2022)
    - 1.4.2.2 France Market States and Outlook (2012-2022)
    - 1.4.2.3 UK Market States and Outlook (2012-2022)
    - 1.4.2.4 Russia Market States and Outlook (2012-2022)
    - 1.4.2.5 Italy Market States and Outlook (2012-2022)
  - 1.4.3 Asia-Pacific (China, Japan, Korea, India and Southeast Asia)
    - 1.4.3.1 China Market States and Outlook (2012-2022)
    - 1.4.3.2 Japan Market States and Outlook (2012-2022)
    - 1.4.3.3 Korea Market States and Outlook (2012-2022)
    - 1.4.3.4 India Market States and Outlook (2012-2022)
    - 1.4.3.5 Southeast Asia Market States and Outlook (2012-2022)
  - 1.4.4 South America, Middle East and Africa
    - 1.4.4.1 Brazil Market States and Outlook (2012-2022)
    - 1.4.4.2 Egypt Market States and Outlook (2012-2022)
    - 1.4.4.3 Saudi Arabia Market States and Outlook (2012-2022)
    - 1.4.4.4 South Africa Market States and Outlook (2012-2022)
    - 1.4.4.5 Nigeria Market States and Outlook (2012-2022)
- 1.5 Market Dynamics
  - 1.5.1 Market Opportunities
  - 1.5.2 Market Risk
  - 1.5.3 Market Driving Force

## 2 MANUFACTURERS PROFILES

### 2.1 Phocos

#### 2.1.1 Business Overview

#### 2.1.2 PV Solar Energy Charge Controller Type and Applications

##### 2.1.2.1 Type

##### 2.1.2.2 Type

#### 2.1.3 Phocos PV Solar Energy Charge Controller Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

### 2.2 Morningstar

#### 2.2.1 Business Overview

#### 2.2.2 PV Solar Energy Charge Controller Type and Applications

##### 2.2.2.1 Type

##### 2.2.2.2 Type

#### 2.2.3 Morningstar PV Solar Energy Charge Controller Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

### 2.3 Steca

#### 2.3.1 Business Overview

#### 2.3.2 PV Solar Energy Charge Controller Type and Applications

##### 2.3.2.1 Type

##### 2.3.2.2 Type

#### 2.3.3 Steca PV Solar Energy Charge Controller Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

### 2.4 Shuori New Energy

#### 2.4.1 Business Overview

#### 2.4.2 PV Solar Energy Charge Controller Type and Applications

##### 2.4.2.1 Type

##### 2.4.2.2 Type

#### 2.4.3 Shuori New Energy PV Solar Energy Charge Controller Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

### 2.5 Beijing Epsolar

#### 2.5.1 Business Overview

#### 2.5.2 PV Solar Energy Charge Controller Type and Applications

##### 2.5.2.1 Type

##### 2.5.2.2 Type

#### 2.5.3 Beijing Epsolar PV Solar Energy Charge Controller Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

### 2.6 OutBack Power

#### 2.6.1 Business Overview

- 2.6.2 PV Solar Energy Charge Controller Type and Applications
  - 2.6.2.1 Type
  - 2.6.2.2 Type
- 2.6.3 OutBack Power PV Solar Energy Charge Controller Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
- 2.7 Remote Power
  - 2.7.1 Business Overview
  - 2.7.2 PV Solar Energy Charge Controller Type and Applications
    - 2.7.2.1 Type
    - 2.7.2.2 Type
  - 2.7.3 Remote Power PV Solar Energy Charge Controller Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
- 2.8 Victron Energy
  - 2.8.1 Business Overview
  - 2.8.2 PV Solar Energy Charge Controller Type and Applications
    - 2.8.2.1 Type
    - 2.8.2.2 Type
  - 2.8.3 Victron Energy PV Solar Energy Charge Controller Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
- 2.9 Studer Innotec
  - 2.9.1 Business Overview
  - 2.9.2 PV Solar Energy Charge Controller Type and Applications
    - 2.9.2.1 Type
    - 2.9.2.2 Type
  - 2.9.3 Studer Innotec PV Solar Energy Charge Controller Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
- 2.10 Renogy
  - 2.10.1 Business Overview
  - 2.10.2 PV Solar Energy Charge Controller Type and Applications
    - 2.10.2.1 Type
    - 2.10.2.2 Type
  - 2.10.3 Renogy PV Solar Energy Charge Controller Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)
- 2.11 Specialty Concepts
  - 2.11.1 Business Overview
  - 2.11.2 PV Solar Energy Charge Controller Type and Applications
    - 2.11.2.1 Type
    - 2.11.2.2 Type
  - 2.11.3 Specialty Concepts PV Solar Energy Charge Controller Sales, Price, Revenue,

## Gross Margin and Market Share (2016-2017)

### 2.12 Sollatek

#### 2.12.1 Business Overview

#### 2.12.2 PV Solar Energy Charge Controller Type and Applications

##### 2.12.2.1 Type

##### 2.12.2.2 Type

#### 2.12.3 Sollatek PV Solar Energy Charge Controller Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

### 2.13 Blue Sky Energy

#### 2.13.1 Business Overview

#### 2.13.2 PV Solar Energy Charge Controller Type and Applications

##### 2.13.2.1 Type

##### 2.13.2.2 Type

#### 2.13.3 Blue Sky Energy PV Solar Energy Charge Controller Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

### 2.14 Wuhan Wanpeng

#### 2.14.1 Business Overview

#### 2.14.2 PV Solar Energy Charge Controller Type and Applications

##### 2.14.2.1 Type

##### 2.14.2.2 Type

#### 2.14.3 Wuhan Wanpeng PV Solar Energy Charge Controller Sales, Price, Revenue, Gross Margin and Market Share (2016-2017)

## **3 GLOBAL PV SOLAR ENERGY CHARGE CONTROLLER MARKET COMPETITION, BY MANUFACTURER**

### 3.1 Global PV Solar Energy Charge Controller Sales and Market Share by Manufacturer

### 3.2 Global PV Solar Energy Charge Controller Revenue and Market Share by Manufacturer

### 3.3 Market Concentration Rate

#### 3.3.1 Top 3 PV Solar Energy Charge Controller Manufacturer Market Share

#### 3.3.2 Top 6 PV Solar Energy Charge Controller Manufacturer Market Share

### 3.4 Market Competition Trend

## **4 GLOBAL PV SOLAR ENERGY CHARGE CONTROLLER MARKET ANALYSIS BY REGIONS**

### 4.1 Global PV Solar Energy Charge Controller Sales, Revenue and Market Share by Regions

- 4.1.1 Global PV Solar Energy Charge Controller Sales by Regions (2012-2017)
- 4.1.2 Global PV Solar Energy Charge Controller Revenue by Regions (2012-2017)
- 4.2 North America PV Solar Energy Charge Controller Sales and Growth (2012-2017)
- 4.3 Europe PV Solar Energy Charge Controller Sales and Growth (2012-2017)
- 4.4 Asia-Pacific PV Solar Energy Charge Controller Sales and Growth (2012-2017)
- 4.5 South America PV Solar Energy Charge Controller Sales and Growth (2012-2017)
- 4.6 Middle East and Africa PV Solar Energy Charge Controller Sales and Growth (2012-2017)

## **5 NORTH AMERICA PV SOLAR ENERGY CHARGE CONTROLLER BY COUNTRIES**

### 5.1 North America PV Solar Energy Charge Controller Sales, Revenue and Market Share by Countries

- 5.1.1 North America PV Solar Energy Charge Controller Sales by Countries (2012-2017)
- 5.1.2 North America PV Solar Energy Charge Controller Revenue by Countries (2012-2017)

- 5.2 USA PV Solar Energy Charge Controller Sales and Growth (2012-2017)
- 5.3 Canada PV Solar Energy Charge Controller Sales and Growth (2012-2017)
- 5.4 Mexico PV Solar Energy Charge Controller Sales and Growth (2012-2017)

## **6 EUROPE PV SOLAR ENERGY CHARGE CONTROLLER BY COUNTRIES**

### 6.1 Europe PV Solar Energy Charge Controller Sales, Revenue and Market Share by Countries

- 6.1.1 Europe PV Solar Energy Charge Controller Sales by Countries (2012-2017)
- 6.1.2 Europe PV Solar Energy Charge Controller Revenue by Countries (2012-2017)
- 6.2 Germany PV Solar Energy Charge Controller Sales and Growth (2012-2017)
- 6.3 UK PV Solar Energy Charge Controller Sales and Growth (2012-2017)
- 6.4 France PV Solar Energy Charge Controller Sales and Growth (2012-2017)
- 6.5 Russia PV Solar Energy Charge Controller Sales and Growth (2012-2017)
- 6.6 Italy PV Solar Energy Charge Controller Sales and Growth (2012-2017)

## **7 ASIA-PACIFIC PV SOLAR ENERGY CHARGE CONTROLLER BY COUNTRIES**

### 7.1 Asia-Pacific PV Solar Energy Charge Controller Sales, Revenue and Market Share by Countries

- 7.1.1 Asia-Pacific PV Solar Energy Charge Controller Sales by Countries (2012-2017)
- 7.1.2 Asia-Pacific PV Solar Energy Charge Controller Revenue by Countries



(2012-2017)

7.2 China PV Solar Energy Charge Controller Sales and Growth (2012-2017)

7.3 Japan PV Solar Energy Charge Controller Sales and Growth (2012-2017)

7.4 Korea PV Solar Energy Charge Controller Sales and Growth (2012-2017)

7.5 India PV Solar Energy Charge Controller Sales and Growth (2012-2017)

7.6 Southeast Asia PV Solar Energy Charge Controller Sales and Growth (2012-2017)

## **8 SOUTH AMERICA PV SOLAR ENERGY CHARGE CONTROLLER BY COUNTRIES**

8.1 South America PV Solar Energy Charge Controller Sales, Revenue and Market Share by Countries

8.1.1 South America PV Solar Energy Charge Controller Sales by Countries (2012-2017)

8.1.2 South America PV Solar Energy Charge Controller Revenue by Countries (2012-2017)

8.2 Brazil PV Solar Energy Charge Controller Sales and Growth (2012-2017)

8.3 Argentina PV Solar Energy Charge Controller Sales and Growth (2012-2017)

8.4 Columbia PV Solar Energy Charge Controller Sales and Growth (2012-2017)

## **9 MIDDLE EAST AND AFRICA PV SOLAR ENERGY CHARGE CONTROLLER BY COUNTRIES**

9.1 Middle East and Africa PV Solar Energy Charge Controller Sales, Revenue and Market Share by Countries

9.1.1 Middle East and Africa PV Solar Energy Charge Controller Sales by Countries (2012-2017)

9.1.2 Middle East and Africa PV Solar Energy Charge Controller Revenue by Countries (2012-2017)

9.2 Saudi Arabia PV Solar Energy Charge Controller Sales and Growth (2012-2017)

9.3 UAE PV Solar Energy Charge Controller Sales and Growth (2012-2017)

9.4 Egypt PV Solar Energy Charge Controller Sales and Growth (2012-2017)

9.5 Nigeria PV Solar Energy Charge Controller Sales and Growth (2012-2017)

9.6 South Africa PV Solar Energy Charge Controller Sales and Growth (2012-2017)

## **10 GLOBAL PV SOLAR ENERGY CHARGE CONTROLLER MARKET SEGMENT BY TYPE**

10.1 Global PV Solar Energy Charge Controller Sales, Revenue and Market Share by Type (2012-2017)

10.1.1 Global PV Solar Energy Charge Controller Sales and Market Share by Type (2012-2017)

10.1.2 Global PV Solar Energy Charge Controller Revenue and Market Share by Type (2012-2017)

10.2 PWM PV Solar Energy Charge Controller Sales Growth and Price

10.2.1 Global PWM PV Solar Energy Charge Controller Sales Growth (2012-2017)

10.2.2 Global PWM PV Solar Energy Charge Controller Price (2012-2017)

10.3 MPPT PV Solar Energy Charge Controller Sales Growth and Price

10.3.1 Global MPPT PV Solar Energy Charge Controller Sales Growth (2012-2017)

10.3.2 Global MPPT PV Solar Energy Charge Controller Price (2012-2017)

## **11 GLOBAL PV SOLAR ENERGY CHARGE CONTROLLER MARKET SEGMENT BY APPLICATION**

11.1 Global PV Solar Energy Charge Controller Sales Market Share by Application (2012-2017)

11.2 Industrial & Commercial Sales Growth (2012-2017)

11.3 Residential & Rural Electrification Sales Growth (2012-2017)

## **12 PV SOLAR ENERGY CHARGE CONTROLLER MARKET FORECAST (2017-2022)**

12.1 Global PV Solar Energy Charge Controller Sales, Revenue and Growth Rate (2017-2022)

12.2 PV Solar Energy Charge Controller Market Forecast by Regions (2017-2022)

12.2.1 North America PV Solar Energy Charge Controller Market Forecast (2017-2022)

12.2.2 Europe PV Solar Energy Charge Controller Market Forecast (2017-2022)

12.2.3 Asia-Pacific PV Solar Energy Charge Controller Market Forecast (2017-2022)

12.2.4 South America PV Solar Energy Charge Controller Market Forecast (2017-2022)

12.2.5 Middle East and Africa PV Solar Energy Charge Controller Market Forecast (2017-2022)

12.3 PV Solar Energy Charge Controller Market Forecast by Type (2017-2022)

12.4 PV Solar Energy Charge Controller Market Forecast by Application (2017-2022)

## **13 SALES CHANNEL, DISTRIBUTORS, TRADERS AND DEALERS**

13.1 Sales Channel

13.1.1 Direct Marketing

- 13.1.2 Indirect Marketing
- 13.1.3 Marketing Channel Future Trend
- 13.2 Distributors, Traders and Dealers

## **14 RESEARCH FINDINGS AND CONCLUSION**

## **15 APPENDIX**

- 15.1 Methodology
- 15.2 Analyst Introduction
- 15.3 Data Source@LOT

## List Of Tables

### LIST OF TABLES AND FIGURES

Figure PV Solar Energy Charge Controller Picture

Table Product Specifications of PV Solar Energy Charge Controller

Figure Global Sales Market Share of PV Solar Energy Charge Controller by Types

## I would like to order

Product name: Global PV Solar Energy Charge Controller Market by Manufacturers, Countries, Type and Application, Forecast to 2022

Product link: <https://marketpublishers.com/r/G680304BFF7EN.html>

Price: US\$ 3,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G680304BFF7EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

