

## Solar Charge Controller C series(C12/2410-12/24V10A)

Without DC Loads Function

### Description

The new version of C series solar charge controller series is especially designed for small solar systems with the need of a low battery disconnect feature. Leisure and rural electrification systems are the typical applications for this product. It is perfect solution for cost-sensitive systems which require state-of-the-art system management.

### Features

- 5 LED indications: charge status, SOC, LVD, overload/short circuit
- Maximum 16 sq.mm connecting terminals
- Fully electronically protected: Panel surge voltage, wrong polarity at panel or battery, overload and short circuit at load.
- The melting fuse of the predecessor has been replaced by a fully electronically protected circuit
- Selectable charging model (Gel & Sealed battery type)
- Reverse blocking MOSFET
- Automatic temperature compensation
- Common positive allows grounding



### Specifications

Model	C12/2410-12/24V10A	
Normal (system) Voltage	12/24V auto. Detection	
Battery Selection	Liquid Electriylte	GEL(VRLA Battery)
Boost Voltage	14.5V/29V (25°C)	14.3V/28.6V (25°C)
Equalization Voltage	14.8V/29.6V (25°C)	14.4V/28.8V (25°C)
Float Voltage	13.7V/27.4V (25°C)	13.6V/27.2V (25°C)
Low Voltage Disconnect	11/22V controlled by voltage	
Low Reconnect Voltage	12.8V/25.6V	
Max. Charging Current	10A	
Max. DC Output	10A	
Protections	PV & Battery Reverse Polarity, Overload, Short-circuit	
Self Current Consumption	4mA	
Operating Temperature Range	-40~50°C	
Auto. Temperature compensation	Yes	
Charging model selectable by	Adjusting on PCB	
Max. Wire Size	16 mm <sup>2</sup> (AWG#6)	
Dimension	8.5*7*3.6cm	
Case Protection	IP22	
Case Material	ABS	
Product Weight	110g	
Case Color	Blue , Silver and Black selectable	
Packing	Color box, 100 pcs/15.6Kg/Carton(55.5*24.5*36cm)	

Specification prior to change without notice

## Solar Charge Controller C series(C12/2412-12/24V12A)

Without DC Loads Function

### Description

The new version of C series solar charge controller series is especially designed for small solar systems with the need of a low battery disconnect feature. Leisure and rural electrification systems are the typical applications for this product. It is perfect solution for cost-sensitive systems which require state-of-the-art system management.

### Features

- 5 LED indications: charge status, SOC, LVD, overload/short circuit
- Maximum 16 sq.mm connecting terminals
- Fully electronically protected: Panel surge voltage, wrong polarity at panel or battery, overload and short circuit at load.
- The melting fuse of the predecessor has been replaced by a fully electronically protected circuit
- Selectable charging model (Gel & Sealed battery type)
- Reverse blocking MOSFET
- Automatic temperature compensation
- Common positive allows grounding



### Specifications

Model	C12/2412-12/24V12A	
Normal (system) Voltage	12/24V auto. Detection	
Battery Selection	Liquid Electriylte	GEL(VRLA Battery)
Boost Voltage	14.5V/29V (25°C)	14.3V/28.6V (25°C)
Equalization Voltage	14.8V/29.6V (25°C)	14.4V/28.8V (25°C)
Float Voltage	13.7V/27.4V (25°C)	13.6V/27.2V (25°C)
Low Voltage Disconnect	11/22V controlled by voltage	
Low Reconnect Voltage	12.8V/25.6V	
Max. Charging Current	12A	
Max. DC Output	12A	
Protections	PV & Battery Reverse Polarity, Overload, Short-circuit	
Self Current Consumption	4mA	
Operating Temperature Range	-40~50°C	
Auto. Temperature compensation	Yes	
Charging model selectable by	Adjusting on PCB	
Max. Wire Size	16 mm <sup>2</sup> (AWG#6)	
Dimension	8.5*7*3.6cm	
Case Protection	IP22	
Case Material	ABS	
Product Weight	110g	
Case Color	Blue , Silver and Black selectable	
Packing	Color box, 100 pcs/15.6Kg/Carton(55.5*24.5*36cm)	

Specification prior to change without notice

## Solar Charge Controller C series(C12/2415-12/24V15A)

Without DC Loads Function

### Description

The new version of C series solar charge controller series is especially designed for small solar systems with the need of a low battery disconnect feature. Leisure and rural electrification systems are the typical applications for this product. It is perfect solution for cost-sensitive systems which require state-of-the-art system management.

### Features

- 5 LED indications: charge status, SOC, LVD, overload/short circuit
- Maximum 16 sq.mm connecting terminals
- Fully electronically protected: Panel surge voltage, wrong polarity at panel or battery, overload and short circuit at load.
- The melting fuse of the predecessor has been replaced by a fully electronically protected circuit
- Selectable charging model (Gel & Sealed battery type)
- Reverse blocking MOSFET
- Automatic temperature compensation
- Common positive allows grounding



### Specifications

Model	C12/2415-12/24V15A	
Normal (system) Voltage	12/24V auto. Detection	
Battery Selection	Liquid Electriylte	GEL(VRLA Battery)
Boost Voltage	14.5V/29V (25°C)	14.3V/28.6V (25°C)
Equalization Voltage	14.8V/29.6V (25°C)	14.4V/28.8V (25°C)
Float Voltage	13.7V/27.4V (25°C)	13.6V/27.2V (25°C)
Low Voltage Disconnect	11/22V controlled by voltage	
Low Reconnect Voltage	12.8V/25.6V	
Max. Charging Current	15A	
Max. DC Output	15A	
Protections	PV & Battery Reverse Polarity, Overload, Short-circuit	
Self Current Consumption	4mA	
Operating Temperature Range	-40~50°C	
Auto. Temperature compensation	Yes	
Charging model selectable by	Adjusting on PCB	
Max. Wire Size	16 mm <sup>2</sup> (AWG#6)	
Dimension	8.5*7*3.6cm	
Case Protection	IP22	
Case Material	ABS	
Product Weight	110g	
Case Color	Blue , Silver and Black selectable	
Packing	Color box, 100 pcs/15.6Kg/Carton(55.5*24.5*36cm)	

Specification prior to change without notice

## Solar Charge Controller C series(C12/2420-12/24V20A)

Without DC Loads Function

### Description

The new version of C series solar charge controller series is especially designed for small solar systems with the need of a low battery disconnect feature. Leisure and rural electrification systems are the typical applications for this product. It is perfect solution for cost-sensitive systems which require state-of-the-art system management.

### Features

- 5 LED indications: charge status, SOC, LVD, overload/short circuit
- Maximum 16 sq.mm connecting terminals
- Fully electronically protected: Panel surge voltage, wrong polarity at panel or battery, overload and short circuit at load.
- The melting fuse of the predecessor has been replaced by a fully electronically protected circuit
- Selectable charging model (Gel & Sealed battery type)
- Reverse blocking MOSFET
- Automatic temperature compensation
- Common positive allows grounding



### Specifications

Model	C12/2420-12/24V20A	
Normal (system) Voltage	12/24V auto. Detection	
Battery Selection	Liquid Electriylte	GEL(VRLA Battery)
Boost Voltage	14.5V/29V (25°C)	14.3V/28.6V (25°C)
Equalization Voltage	14.8V/29.6V (25°C)	14.4V/28.8V (25°C)
Float Voltage	13.7V/27.4V (25°C)	13.6V/27.2V (25°C)
Low Voltage Disconnect	11/22V controlled by voltage	
Low Reconnect Voltage	12.8V/25.6V	
Max. Charging Current	20A	
Max. DC Output	20A	
Protections	PV & Battery Reverse Polarity, Overload, Short-circuit	
Self Current Consumption	4mA	
Operating Temperature Range	-40~50°C	
Auto. Temperature compensation	Yes	
Charging model selectable by	Adjusting on PCB	
Max. Wire Size	16 mm <sup>2</sup> (AWG#6)	
Dimension	11.5*9.1*4.8cm	
Case Protection	IP22	
Case Material	ABS	
Product Weight	224g	
Case Color	Blue , Silver and Black selectable	
Packing	Color box, 50 pcs/15Kg/Carton(51*30*26.5cm)	

Specification prior to change without notice

## Solar Charge Controller C series(C12/2425-12/24V25A)

Without DC Loads Function

### Description

The new version of C series solar charge controller series is especially designed for small solar systems with the need of a low battery disconnect feature. Leisure and rural electrification systems are the typical applications for this product. It is perfect solution for cost-sensitive systems which require state-of-the-art system management.

### Features

- 5 LED indications: charge status, SOC, LVD, overload/short circuit
- Maximum 16 sq.mm connecting terminals
- Fully electronically protected: Panel surge voltage, wrong polarity at panel or battery, overload and short circuit at load.
- The melting fuse of the predecessor has been replaced by a fully electronically protected circuit
- Selectable charging model (Gel & Sealed battery type)
- Reverse blocking MOSFET
- Automatic temperature compensation
- Common positive allows grounding



### Specifications

Model	C12/2425-12/24V25A	
Normal (system) Voltage	12/24V auto. Detection	
Battery Selection	Liquid Electriylte	GEL(VRLA Battery)
Boost Voltage	14.5V/29V (25°C)	14.3V/28.6V (25°C)
Equalization Voltage	14.8V/29.6V (25°C)	14.4V/28.8V (25°C)
Float Voltage	13.7V/27.4V (25°C)	13.6V/27.2V (25°C)
Low Voltage Disconnect	11/22V controlled by voltage	
Low Reconnect Voltage	12.8V/25.6V	
Max. Charging Current	25A	
Max. DC Output	25A	
Protections	PV & Battery Reverse Polarity, Overload, Short-circuit	
Self Current Consumption	4mA	
Operating Temperature Range	-40~50°C	
Auto. Temperature compensation	Yes	
Charging model selectable by	Adjusting on PCB	
Max. Wire Size	16 mm <sup>2</sup> (AWG#6)	
Dimension	11.5*9.1*4.8cm	
Case Protection	IP22	
Case Material	ABS	
Product Weight	224g	
Case Color	Blue , Silver and Black selectable	
Packing	Color box, 50 pcs/15Kg/Carton(51*30*26.5cm)	

Specification prior to change without notice

## Solar Charge Controller C series(C12/2430-12/24V30A)

Without DC Loads Function

### Description

The new version of C series solar charge controller series is especially designed for small solar systems with the need of a low battery disconnect feature. Leisure and rural electrification systems are the typical applications for this product. It is perfect solution for cost-sensitive systems which require state-of-the-art system management.

### Features

- 5 LED indications: charge status, SOC, LVD, overload/short circuit
- Maximum 16 sq.mm connecting terminals
- Fully electronically protected: Panel surge voltage, wrong polarity at panel or battery, overload and short circuit at load.
- The melting fuse of the predecessor has been replaced by a fully electronically protected circuit
- Selectable charging model (Gel & Sealed battery type)
- Reverse blocking MOSFET
- Automatic temperature compensation
- Common positive allows grounding



### Specifications

Model	C12/2430-12/24V30A	
Normal (system) Voltage	12/24V auto. Detection	
Battery Selection	Liquid Electriylte	GEL(VRLA Battery)
Boost Voltage	14.5V/29V (25°C)	14.3V/28.6V (25°C)
Equalization Voltage	14.8V/29.6V (25°C)	14.4V/28.8V (25°C)
Float Voltage	13.7V/27.4V (25°C)	13.6V/27.2V (25°C)
Low Voltage Disconnect	11/22V controlled by voltage	
Low Reconnect Voltage	12.8V/25.6V	
Max. Charging Current	30A	
Max. DC Output	30A	
Protections	PV & Battery Reverse Polarity, Overload, Short-circuit	
Self Current Consumption	4mA	
Operating Temperature Range	-40~50°C	
Auto. Temperature compensation	Yes	
Charging model selectable by	Adjusting on PCB	
Max. Wire Size	16 mm <sup>2</sup> (AWG#6)	
Dimension	11.5*9.1*4.8cm	
Case Protection	IP22	
Case Material	ABS	
Product Weight	224g	
Case Color	Blue , Silver and Black selectable	
Packing	Color box, 50 pcs/15Kg/Carton(51*30*26.5cm)	

Specification prior to change without notice

## Solar Charge Controller CD series(CD12/2410-12/24V10A)

With DC Loads Function

### Description

The new version of C series solar charge controller series is especially designed for small solar systems with the need of a low battery disconnect feature. Leisure and rural electrification systems are the typical applications for this product. It is perfect solution for cost-sensitive systems which require state-of-the-art system management.

### Features

- 5 LED indications: charge status, SOC, LVD, overload/short circuit
- Maximum 16 sq.mm connecting terminals
- Fully electronically protected: Panel surge voltage, wrong polarity at panel or battery, overload and short circuit at load.
- The melting fuse of the predecessor has been replaced by a fully electronically protected circuit
- Selectable charging model (Gel & Sealed battery type)
- Reverse blocking MOSFET
- Automatic temperature compensation
- Common positive allows grounding



### Specifications

Model	CD12/2410-12/24V10A	
Normal (system) Voltage	12/24V auto. Detection	
Battery Selection	Liquid Electriylte	GEL(VRLA Battery)
Boost Voltage	14.5V/29V (25°C)	14.3V/28.6V (25°C)
Equalization Voltage	14.8V/29.6V (25°C)	14.4V/28.8V (25°C)
Float Voltage	13.7V/27.4V (25°C)	13.6V/27.2V (25°C)
Low Voltage Disconnect	11/22V controlled by voltage	
Low Reconnect Voltage	12.8V/25.6V	
Max. Charging Current	10A	
Max. DC Output	10A	
Protections	PV & Battery Reverse Polarity, Overload, Short-circuit	
Self Current Consumption	4mA	
Operating Temperature Range	-40~50°C	
Auto. Temperature compensation	Yes	
Charging model selectable by	Adjusting on PCB	
Max. Wire Size	16 mm <sup>2</sup> (AWG#6)	
Dimension	8.5*7*3.6cm	
Case Protection	IP22	
Case Material	ABS	
Product Weight	120g	
Case Color	Blue , Silver and Black selectable	
Packing	Color box, 100 pcs/16.6Kg/Carton(55.5*24.5*36cm)	

Specification prior to change without notice

## Solar Charge Controller CD series(CD12/2412-12/24V12A)

With DC Loads Function

### Description

The new version of C series solar charge controller series is especially designed for small solar systems with the need of a low battery disconnect feature. Leisure and rural electrification systems are the typical applications for this product. It is perfect solution for cost-sensitive systems which require state-of-the-art system management.

### Features

- 5 LED indications: charge status, SOC, LVD, overload/short circuit
- Maximum 16 sq.mm connecting terminals
- Fully electronically protected: Panel surge voltage, wrong polarity at panel or battery, overload and short circuit at load.
- The melting fuse of the predecessor has been replaced by a fully electronically protected circuit
- Selectable charging model (Gel & Sealed battery type)
- Reverse blocking MOSFET
- Automatic temperature compensation
- Common positive allows grounding



### Specifications

Model	CD12/2412-12/24V12A	
Normal (system) Voltage	12/24V auto. Detection	
Battery Selection	Liquid Electriylte	GEL(VRLA Battery)
Boost Voltage	14.5V/29V (25°C)	14.3V/28.6V (25°C)
Equalization Voltage	14.8V/29.6V (25°C)	14.4V/28.8V (25°C)
Float Voltage	13.7V/27.4V (25°C)	13.6V/27.2V (25°C)
Low Voltage Disconnect	11/22V controlled by voltage	
Low Reconnect Voltage	12.8V/25.6V	
Max. Charging Current	12A	
Max. DC Output	12A	
Protections	PV & Battery Reverse Polarity, Overload, Short-circuit	
Self Current Consumption	4mA	
Operating Temperature Range	-40~50°C	
Auto. Temperature compensation	Yes	
Charging model selectable by	Adjusting on PCB	
Max. Wire Size	16 mm <sup>2</sup> (AWG#6)	
Dimension	8.5*7*3.6cm	
Case Protection	IP22	
Case Material	ABS	
Product Weight	120g	
Case Color	Blue , Silver and Black selectable	
Packing	Color box, 100 pcs/16.6Kg/Carton(55.5*24.5*36cm)	

Specification prior to change without notice



## Solar Charge Controller CD series(CD12/2415-12/24V15A)

With DC Loads Function

### Description

The new version of C series solar charge controller series is especially designed for small solar systems with the need of a low battery disconnect feature. Leisure and rural electrification systems are the typical applications for this product. It is perfect solution for cost-sensitive systems which require state-of-the-art system management.

### Features

- 5 LED indications: charge status, SOC, LVD, overload/short circuit
- Maximum 16 sq.mm connecting terminals
- Fully electronically protected: Panel surge voltage, wrong polarity at panel or battery, overload and short circuit at load.
- The melting fuse of the predecessor has been replaced by a fully electronically protected circuit
- Selectable charging model (Gel & Sealed battery type)
- Reverse blocking MOSFET
- Automatic temperature compensation
- Common positive allows grounding



### Specifications

Model	CD12/2415-12/24V15A	
Normal (system) Voltage	12/24V auto. Detection	
Battery Selection	Liquid Electriylte	GEL(VRLA Battery)
Boost Voltage	14.5V/29V (25°C)	14.3V/28.6V (25°C)
Equalization Voltage	14.8V/29.6V (25°C)	14.4V/28.8V (25°C)
Float Voltage	13.7V/27.4V (25°C)	13.6V/27.2V (25°C)
Low Voltage Disconnect	11/22V controlled by voltage	
Low Reconnect Voltage	12.8V/25.6V	
Max. Charging Current	15A	
Max. DC Output	15A	
Protections	PV & Battery Reverse Polarity, Overload, Short-circuit	
Self Current Consumption	4mA	
Operating Temperature Range	-40~50°C	
Auto. Temperature compensation	Yes	
Charging model selectable by	Adjusting on PCB	
Max. Wire Size	16 mm <sup>2</sup> (AWG#6)	
Dimension	8.5*7*3.6cm	
Case Protection	IP22	
Case Material	ABS	
Product Weight	120g	
Case Color	Blue , Silver and Black selectable	
Packing	Color box, 100 pcs/16.6Kg/Carton(55.5*24.5*36cm)	

Specification prior to change without notice

## Solar Charge Controller CD series(CD12/2420-12/24V20A)

With DC Loads Function

### Description

The new version of C series solar charge controller series is especially designed for small solar systems with the need of a low battery disconnect feature. Leisure and rural electrification systems are the typical applications for this product. It is perfect solution for cost-sensitive systems which require state-of-the-art system management.

### Features

- 5 LED indications: charge status, SOC, LVD, overload/short circuit
- Maximum 16 sq.mm connecting terminals
- Fully electronically protected: Panel surge voltage, wrong polarity at panel or battery, overload and short circuit at load.
- The melting fuse of the predecessor has been replaced by a fully electronically protected circuit
- Selectable charging model (Gel & Sealed battery type)
- Reverse blocking MOSFET
- Automatic temperature compensation
- Common positive allows grounding



### Specifications

Model	CD12/2420-12/24V20A	
Normal (system) Voltage	12/24V auto. Detection	
Battery Selection	Liquid Electriylte	GEL(VRLA Battery)
Boost Voltage	14.5V/29V (25°C)	14.3V/28.6V (25°C)
Equalization Voltage	14.8V/29.6V (25°C)	14.4V/28.8V (25°C)
Float Voltage	13.7V/27.4V (25°C)	13.6V/27.2V (25°C)
Low Voltage Disconnect	11/22V controlled by voltage	
Low Reconnect Voltage	12.8V/25.6V	
Max. Charging Current	20A	
Max. DC Output	20A	
Protections	PV & Battery Reverse Polarity, Overload, Short-circuit	
Self Current Consumption	4mA	
Operating Temperature Range	-40~50°C	
Auto. Temperature compensation	Yes	
Charging model selectable by	Adjusting on PCB	
Max. Wire Size	16 mm <sup>2</sup> (AWG#6)	
Dimension	11.5*9.1*4.8cm	
Case Protection	IP22	
Case Material	ABS	
Product Weight	244g	
Case Color	Blue , Silver and Black selectable	
Packing	Color box, 50 pcs/16Kg/Carton(51*30*26.5cm)	

Specification prior to change without notice

## Solar Charge Controller CD series(CD12/2425-12/24V25A)

With DC Loads Function

### Description

The new version of C series solar charge controller series is especially designed for small solar systems with the need of a low battery disconnect feature. Leisure and rural electrification systems are the typical applications for this product. It is perfect solution for cost-sensitive systems which require state-of-the-art system management.

### Features

- 5 LED indications: charge status, SOC, LVD, overload/short circuit
- Maximum 16 sq.mm connecting terminals
- Fully electronically protected: Panel surge voltage, wrong polarity at panel or battery, overload and short circuit at load.
- The melting fuse of the predecessor has been replaced by a fully electronically protected circuit
- Selectable charging model (Gel & Sealed battery type)
- Reverse blocking MOSFET
- Automatic temperature compensation
- Common positive allows grounding



### Specifications

Model	CD12/2425-12/24V25A	
Normal (system) Voltage	12/24V auto. Detection	
Battery Selection	Liquid Electriylte	GEL(VRLA Battery)
Boost Voltage	14.5V/29V (25°C)	14.3V/28.6V (25°C)
Equalization Voltage	14.8V/29.6V (25°C)	14.4V/28.8V (25°C)
Float Voltage	13.7V/27.4V (25°C)	13.6V/27.2V (25°C)
Low Voltage Disconnect	11/22V controlled by voltage	
Low Reconnect Voltage	12.8V/25.6V	
Max. Charging Current	25A	
Max. DC Output	25A	
Protections	PV & Battery Reverse Polarity, Overload, Short-circuit	
Self Current Consumption	4mA	
Operating Temperature Range	-40~50°C	
Auto. Temperature compensation	Yes	
Charging model selectable by	Adjusting on PCB	
Max. Wire Size	16 mm <sup>2</sup> (AWG#6)	
Dimension	11.5*9.1*4.8cm	
Case Protection	IP22	
Case Material	ABS	
Product Weight	244g	
Case Color	Blue , Silver and Black selectable	
Packing	Color box, 50 pcs/16Kg/Carton(51*30*26.5cm)	

Specification prior to change without notice

## Solar Charge Controller CD series(CD12/2430-12/24V30A)

With DC Loads Function

### Description

The new version of C series solar charge controller series is especially designed for small solar systems with the need of a low battery disconnect feature. Leisure and rural electrification systems are the typical applications for this product. It is perfect solution for cost-sensitive systems which require state-of-the-art system management.

### Features

- 5 LED indications: charge status, SOC, LVD, overload/short circuit
- Maximum 16 sq.mm connecting terminals
- Fully electronically protected: Panel surge voltage, wrong polarity at panel or battery, overload and short circuit at load.
- The melting fuse of the predecessor has been replaced by a fully electronically protected circuit
- Selectable charging model (Gel & Sealed battery type)
- Reverse blocking MOSFET
- Automatic temperature compensation
- Common positive allows grounding



### Specifications

Model	CD12/2430-12/24V30A	
Normal (system) Voltage	12/24V auto. Detection	
Battery Selection	Liquid Electriylte	GEL(VRLA Battery)
Boost Voltage	14.5V/29V (25°C)	14.3V/28.6V (25°C)
Equalization Voltage	14.8V/29.6V (25°C)	14.4V/28.8V (25°C)
Float Voltage	13.7V/27.4V (25°C)	13.6V/27.2V (25°C)
Low Voltage Disconnect	11/22V controlled by voltage	
Low Reconnect Voltage	12.8V/25.6V	
Max. Charging Current	30A	
Max. DC Output	30A	
Protections	PV & Battery Reverse Polarity, Overload, Short-circuit	
Self Current Consumption	4mA	
Operating Temperature Range	-40~50°C	
Auto. Temperature compensation	Yes	
Charging model selectable by	Adjusting on PCB	
Max. Wire Size	16 mm <sup>2</sup> (AWG#6)	
Dimension	11.5*9.1*4.8cm	
Case Protection	IP22	
Case Material	ABS	
Product Weight	244g	
Case Color	Blue , Silver and Black selectable	
Packing	Color box, 50 pcs/16Kg/Carton(51*30*26.5cm)	

Specification prior to change without notice