

Product catalogue

2011



solar charge controller & inverter

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Our Advantage:

- ★ Sophisticated R&D has over 20 years research experience and works in close collaboration with Beihang University.
- ★ Professional technical and service team
- ★ Using world top class electronic components; all the components are industrial grade
- ★ High quality products with reasonable price; the failure rate is less than 2 per 1000 pcs
- ★ Practical application in more than 120 countries
- ★ Expected 10 years lifetime
- ★ 2 years warranty



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Solar charge controller

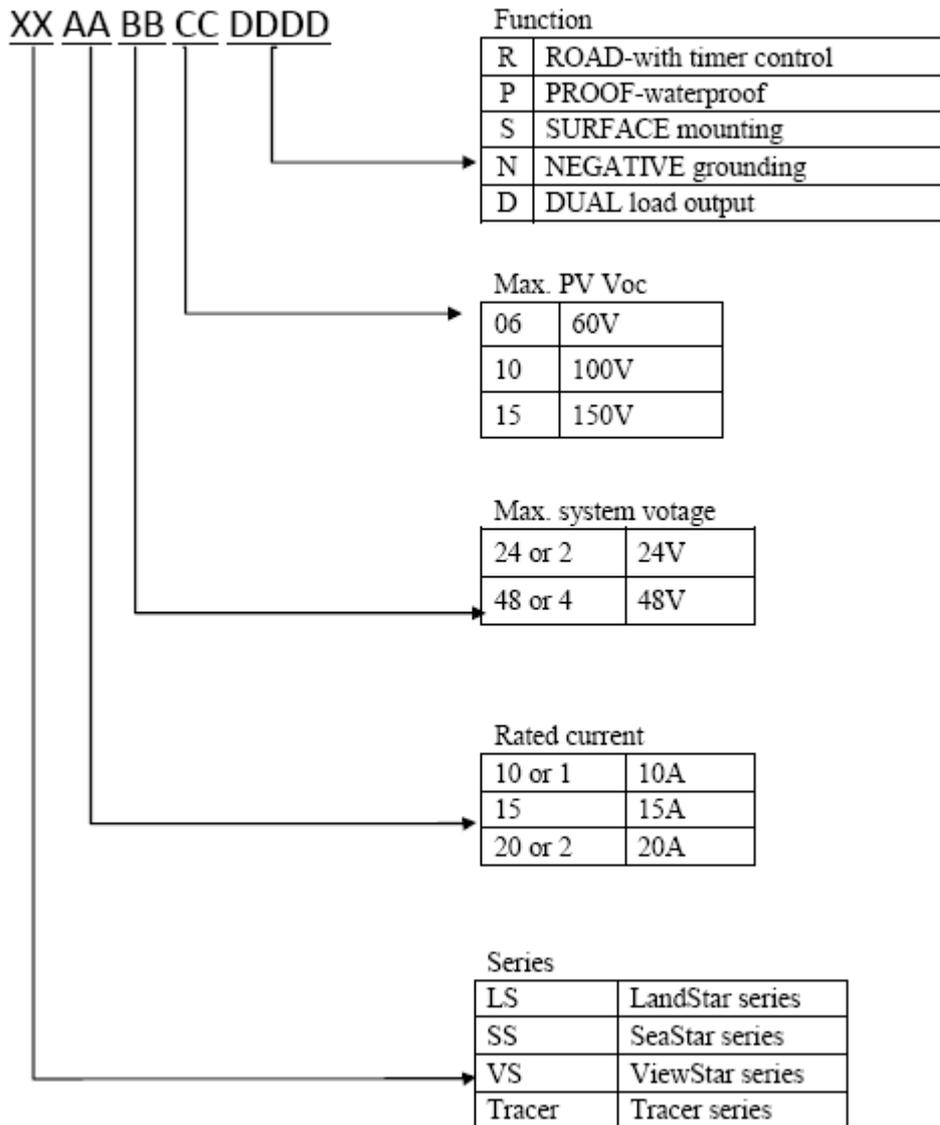
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Meaning of Model No.



Tracer series solar charge controller

Tracer ,10A 12V/24V auto

Application :

Public lighting area, such as solar street light, garden light, billboard, insect light, and wild automatic detection device .
Ideal for solar lighting system with two lamps that needs different timer setting

Features:

MPPT Technology:

The TRACER utilizes Maximum Power Point Tracking technology to extract maximum power from the solar module. The tracking algorithm is fully automatic and does not require user adjustment, TRACER technology will track the array maximum power point voltage (Vmp) as it varies with weather conditions, ensuring that maximum power is harvested from the array through the course of the day.

- 1, MPPT solar controller
- 2, Battery option: Sealed, Flood and Gel
3. RJ45 interface with remote meter MT-2
- 4, CE, ISO9001-2008
5. Tracking efficiency: 99%
6. Conversion efficiency: 97%
7. Widely used, automatic recognize day/night.
8. Timer function with 1-15 hours option for street light
9. Temperature compensation
10. Dual load output
11. Electronic protection: Over charging, over discharging, overload, short circuit, and reverse polarity of battery



Model	Tracer-1206	Tracer-1210	Tracer-1215
Rated current	10A	10A	10A
Max. PV Voc	60V	100V	150V
Rated voltage	12V/24V Auto		
Rated input power	12V system, 120W 24Vsystem,240W		
Dimension	160mm x 97mm x 47mm		
Mounting Dimension	150mm x 70mm		
Mounting hole	Φ4.5		
Terminals	4mm ²		
Net Weight	0.45kg		
Working temperature	-35°C - +55°C		

LandStar solar charge controller

LS,5A 12V/24V auto

Application :

Small solar system, such as solar home system, solar garden lights etc.

Features:

Load work mode:

LS0512:ON/OFF

LS0512R:Dusk to dawn, ON/OFF, 1-12 hours timer, test.

- PWM charging with temperature compensation
- Use MOSFET as electronic switch, without any mechanical switch
- Electronic protection: over charging, over discharging, overload, and short circuit
- Battery reverse polarity protection



Model	LS0512	LS0524	LS0512R	LS0524R
Rated current	5A	5A	5A	5A
Rated voltage	12V	12V/24V Auto	12V	12V/24V Auto
Dimension	97mm x 66mm x 25mm			
Mounting Dimension	86mm x 44mm			
Mounting hole	Φ5			
Terminals	2.5mm ²			
Net Weight	0.05kg			
Working temperature	-35°C - +55°C			

LandStar solar charge controller

LS,10A-20A 12V/24V auto

Application :

Solar home system, solar traffic system, solar CCTV system , and wild automatic detection device etc.

Features:

- Manual ON/OFF
- Use MOSFET as electronic switch, without any mechanical switch
- Gel, Sealed and Flooded battery type option
- Electronic protection: Overheating, over charging, over discharging, overload, and short circuit
- Reverse polarity protection: Any combination of solar module and battery



Model	LS1024	LS1524	LS2024
Rated current	10A	15A	20A
Rated voltage	12V/24V Auto		
Dimension	140mm x 65mm x 34mm	144mm x 75mm x 45mm	
Mounting Dimension	130mm x 45mm	135mm x 55mm	
Mounting hole	Φ4.5	Φ4.5	
Terminals	6mm ²	10mm ²	
Net Weight	0.15kg	0.25kg	
Working temperature	-35°C - +55°C		

LandStar solar charge controller

LS-S,5A-20A 12V/24V auto

Application :

Application:
Surface mounting solar home System

Features:

Load work mode: manual ON/OFF
All the terminals backwards
LED indicator shows battery level, intuitive and convenient

- Use MOSFET as electronic switch, without any mechanical switch
- Gel, Sealed and Flooded battery type option
- Electronic protection: Overheating, over charging, over discharging, overload, and short circuit
- Reverse polarity protection: Any combination of solar module and battery



Model	LS1024S	LS1524S	LS2024S
Rated current	10A	15A	20A
Rated voltage	12V/24V Auto		
Dimension	120mm x 68mm x 40mm	128mm x 87mm x 48mm	
Mounting Dimension	114mm x 64mm	122mm x 83mm	
Mounting hole	Φ4.5	Φ4.5	
Terminals	6mm ²	10mm ²	
Net Weight	0.15kg	0.25kg	
Working temperature	-35°C - +55°C		

LandStar solar charge controller LS-R, 10A-20A 12V/24V auto

Application :

Public lighting area, such as solar street light, garden light, billboard, insect light, and wild automatic detection device .

Features:

Load work mode: Dusk to Dawn, Light On+dual timer, Test, ON/OFF

Intelligent timer function with 1-15 hours option

Unique dual timer function, enhance the flexibility of street light system.

- Use MOSFET as electronic switch, without any mechanical switch
- Gel, Sealed and Flooded battery type option (5A)
- Digital LED menu, only one key solve all setting simply
- Electronic protection: Overheating, over charging, over discharging, overload, and short circuit
- Reverse polarity protection: Any combination of solar module and battery



Model	LS1024R	LS1524R	LS2024R
Rated current	10A	15A	20A
Rated voltage	12V/24V Auto		
Dimension	140mm x 65mm x 34mm	144mm x 75mm x 45mm	
Mounting Dimension	130mm x 45mm	135mm x 55mm	
Mounting hole	Φ4.5	Φ4.5	
Terminals	6mm ²	10mm ²	
Net Weight	0.15kg	0.25kg	
Working temperature	-35°C - +55°C		

LandStar solar light controller LS-RD,10A-20A 12V/24V auto

Application:

Public lighting area, such as solar street light, garden light, billboard, insect light, and wild automatic detection device .

Ideal for solar lighting system with two lamps that needs different timer setting

Features:

Load work mode: Dusk to Dawn, Light On+timer, Test, ON/OFF

Intelligent timer function with 1-15 hours option

Dual load output, enhance the flexibility of the system.

- Use MOSFET as electronic switch, without any mechanical switch
- Gel, Sealed and Flooded battery type option
- Digital LED menu, only one key solve all setting simply
- Electronic protection: Overheating, over charging, over discharging, overload, and short circuit
- Reverse polarity protection: Any combination of solar module and battery



Model	LS1024RD	LS1524RD	LS2024RD
Rated current	10A	15A	20A
Rated voltage	12V/24V Auto		
Dimension	140mm x 65mm x 34mm	143mm x 79mm x 45mm	
Mounting Dimension	130mm x 45mm	134mm x 55mm	
Mounting hole	Φ4.5	Φ4.5	
Terminals	6mm ²	10mm ²	
Net Weight	0.15kg	0.3kg	
Working temperature	-35°C - +55°C		

LandStar solar charge controller LS-RP,10A-20A 12V/24V auto

Application :

Public lighting area, such as street light, path way,
garden lights, parking area, bus station etc.,
Ideal for extreme environments with corrosion, dust, water etc

Features:

Load work mode: Dusk to Dawn, Light On+dual timer, Test, ON/OFF
Intelligent timer function with 1-15 hours option
Unique dual timer function, enhance the flexibility of street light system.
Waterproof design, IP66

- Use MOSFET as electronic switch, without any mechanical switch
- Gel, Sealed and Flooded battery type option
- Digital LED menu, only one key solve all setting simply
- Electronic protection: Overheating, over charging, over discharging, overload, and short circuit
- Reverse polarity protection: Any combination of solar module and battery



Model	LS1024RP	LS1524RP	LS2024RP
Rated current	10A	15A	20A
Rated voltage	12V/24V Auto		
Dimension	145mm x 69mm x 31mm	145mm x 85mm x 34mm	
Mounting Dimension	135mm x 49mm	135mm x 65mm	
Mounting hole	Φ4.5	Φ4.5	
Wire diameter	4mm ²	6mm ²	
Net Weight	0.3kg	0.4kg	
Working temperature	-35°C - +55°C		

LandStar solar charge controller LS-RPD,10A-20A 12V/24V auto

Application :

Public lighting area, such as street light, path way,
garden lights, parking area, bus station etc.,
Ideal for extreme environments with corrosion, dust, water etc

Features:

Load work mode: Dusk to Dawn, Light On+timer, Test, ON/OFF
Dual load output, enhance the flexibility of the system.
Intelligent timer function with 1-15 hours option
Waterproof design, IP66

- Use MOSFET as electronic switch, without any mechanical switch
- Gel, Sealed and Flooded battery type option
- Digital LED menu, only one key solve all setting simply
- Electronic protection: Overheating, over charging, over discharging, overload, and short circuit
- Reverse polarity protection: Any combination of solar module and battery



Model	LS1024RPD	LS1524RPD	LS2024RPD
Rated current	10A	15A	20A
Rated voltage	12V/24V Auto		
Dimension	145mm x 69mm x 31mm	145mm x 85mm x 34mm	
Mounting Dimension	135mm x 49mm	135mm x 65mm	
Mounting hole	Φ4.5	Φ4.5	
Wire diameter	4mm ²	6mm ²	
Net Weight	0.3kg	0.4kg	
Working temperature	-35°C - +55°C		

SeaStar solar charge controller SS,10A-20A 12V/24V auto

Application :

Solar home system, solar traffic system, solar CCTV system , and wild automatic detection device etc.

Ideal for humid area, such as marine application

Features:

Manual ON/OFF

Aluminum case

Moistureproof

- Use MOSFET as electronic switch, without any mechanical switch
- Gel, Sealed and Flooded battery type option
- Electronic protection: Overheating, over charging, over discharging, overload, and short circuit
- Reverse polarity protection: Any combination of solar module and battery



Model	SS1024	SS1524	SS2024
Rated current	10A	15A	20A
Rated voltage	12V/24V Auto		
Dimension	132mm x 70.5mm x 30mm	137mm x 86mm x 48mm	
Mounting Dimension	122mm x 40mm	127mm x 50mm	
Mounting hole	Φ4.5	Φ4.5	
Terminals	6mm ²	10mm ²	
Net Weight	0.15kg	0.25kg	
Working temperature	-35°C - +55°C		

SeaStar solar charge controller SS-R,10A-20A 12V/24V auto

Application :

Public lighting area, such as solar street light, garden light, billboard, insect light, and wild automatic detection device .

Ideal for humid area, such as marine application

Features:

Aluminum case

Moisture proof

Load work mode: Dusk to Dawn, Light On+dual timer, Test, ON/OFF

Intelligent timer function with 1-15 hours option

Unique dual timer function, enhance the flexibility of street light system.



- Use MOSFET as electronic switch, without any mechanical switch
- Gel, Sealed and Flooded battery type option
- Electronic protection: Overheating, over charging, over discharging, overload, and short circuit
- Reverse polarity protection: Any combination of solar module and battery

Model	SS1024R	SS1524R	SS2024R
Rated current	10A	15A	20A
Rated voltage	12V/24V Auto		
Dimension	132mm x 70.5mm x 30mm	137mm x 86mm x 48mm	
Mounting Dimension	122mm x 40mm	127mm x 50mm	
Mounting hole	Φ4.5	Φ4.5	
Terminals	6mm ²	10mm ²	
Net Weight	0.15kg	0.25kg	
Working temperature	-35°C - +55°C		

ViewStar solar charge controller

VS-N,10A-60A 12V/24V auto

Application :

For off-grid solar system , such as street light, solar home system or small power station etc.,

Features:

- 32 bit MCU with high speed and high performance
- 12 bit A/D high-precision sampling to ensure accuracy
- Excellent EMC design
- Control parameter adjustable
- Nominal system voltage automatic recognition
- High efficient Series PWM charging with temperature compensation
- Use MOSFET as electronic switch, without any mechanical switch
- Widely used, automatically recognize day/night
- Adopt graphics dot-matrix LCD screen and HMI (human-machine interface) with 4 buttons, integrated menu displaying and operation
- Humanized design of browser interface, undertake every operating conveniently
- Full control parameters setting and modification, diversified load control mode
- Gel, Sealed and Flooded battery type option
- Electronic protection: Overheating, over charging, over discharging, overload, and short circuit.
- Reverse protection: any combination of solar module and battery



Model	VS1024N	VS2024N	VS3024N	VS4024N	VS5024N	VS6024N
Rated current	10A	20A	30A	40A	50A	60A
Rated voltage	12V/24V Auto					
Terminals	4mm ²	10mm ²	16mm ²	35mm ²	35mm ²	35mm ²
Net Weight	0.2kg	0.4kg	0.7kg	0.9kg	1.2kg	1.3kg
Working temperature	-35°C - +55°C					
Model	VS2048N	VS3048N	VS4048N	VS5048N	VS6048N	
Rated current	20A	30A	40A	50A	60A	
Rated voltage	12V/24V/48V Auto					
Terminals	16mm ²	35mm ²				
Net Weight	0.7kg	0.9kg	1.2kg	1.3kg	1.4kg	
Working temperature	-20°C - +55°C					

Dual battery solar charge controller EPIPDB-COM, 10A,20A 12V/24V auto

Application :

RVs, Caravans, bus, boats etc..

Features:

EPIPDB-COM series can charge two battery banks. No load terminals

- Two battery charging eliminates the extra cost of two separate solar charging system
- Intelligent System Optimum Control
- 12/24V auto work
- Battery type selection
- Charging frequency optional
- High efficient Series PWM charging
- Local external temperature compensation
- Remote temperature sensor optional
- Use MOSFET as electronic switch, without any mechanical switch
- Remote meter MT-1 optional
- Load and battery status indicators
- Electronic protection: over charging, short circuit, battery reverse polarity protection



Model	EPIPDB-COM,10A,12/24V	EPIPDB-COM,20A,12/24V
Rated current	10A	20A
Rated voltage	12V/24V Auto	
Dimension	140mm x 65mm x 34mm	144mm x 75mm x 45mm
Mounting Dimension	130mm x 45mm	135mm x 55mm
Mounting hole	Φ4.5	Φ4.5
Terminals	4mm ²	4mm ²
Net Weight	0.15kg	0.25kg
Working temperature	-35°C - +55°C	

Solar home system controller

EIPIC-COM, 10A,20A 12V/24V auto

Application :

EIPIC-COM series can provide long distance surveillance. With remote meter MT-2 optional.

Features:

EIPIC-COM series can charge two battery banks. No load terminals

- Intelligent System Optimum Control
- 12/24V auto work
- Battery type selection through MT-2
- High efficient Series PWM charging
- Local external temperature compensation
- Remote temperature sensor optional
- Use MOSFET as electronic switch, without any mechanical switch
- Remote meter MT-2 optional
- Load and battery status indicators
- Electronic protection: over charging, over discharging, short circuit, battery reverse polarity protection



Model	EIPIC-COM,10A,12/24V	EIPIC-COM,20A,12/24V
Rated current	10A	20A
Rated voltage	12V/24V Auto	
Dimension	140mm x 65mm x 34mm	144mm x 75mm x 45mm
Mounting Dimension	130mm x 45mm	135mm x 55mm
Mounting hole	Φ4.5	Φ4.5
Terminals	4mm ²	4mm ²
Net Weight	0.15kg	0.25kg
Working temperature	-35°C - +55°C	

Economic solar charge controller

EPHC10-EC, 10A, 12V/24V auto

EPRC10-EC, 10A,12/24V auto

Application :

Ideal for rural electrification system, such as solar home system or solar street light system

Features:

EPHC10-EC: ON/OFF manual

EPRC10-EC: Dusk to Dawn, Light ON+Timer, TEST, ON/manual

- Intelligent System Optimum Control
- 12/24V auto work
- High efficient Series PWM charging with temperature compensation
- Use MOSFET as electronic switch, without any mechanical switch
- Load and battery status indicators
- Electronic protection: over charging, over discharging, overload, and short circuit, reverse polarity (battery).



Model	EPHC10-EC,10A,12/24V	EPRC10-EC,10A,12/24V
Rated current	10A	10A
Rated voltage	12V/24V Auto	
Dimension	140mm x 89mm x 27.2mm	
Mounting Dimension	133.5mm x 70mm	
Mounting hole	Φ4	
Terminals	2.5mm ²	
Net Weight	0.15kg	
Working temperature	-35°C - +55°C	