

# SOLAR CHARGER CONTROLLER

## 12V/24V-30A-4DIP

### Instruction Manual

Please read user manual before use.

#### SPECIFICATION

SYSTEM VOLTAGE (VOLT) : 12 / 24

STANDBY CURRENT(A) : < 30 mA

CHARGER CURRENT : 30A

MAX. SOLAR ARRAY Voc(VOLT) : 50V

MAX. SOLAR ARRAY CURRENT(A) : 30A

CHARGE STAGE : PWM → FLOAT

MAX. LOAD CURRENT(A) : 30A

LOW VOLT PROTECTION :  $10 \pm 0.5V$  (12V) //  $20 \pm 1V$  (24V)

LOW VOLT RESET :  $12.5 \pm 0.5V$  (12V) //  $25 \pm 1V$  (24V)

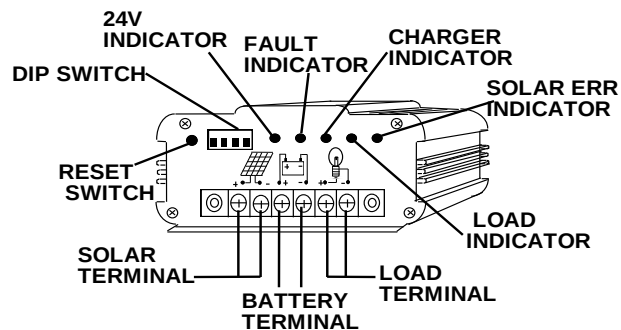
OVER LOAD PROTECTION : Yes ( 120% OF RATED CURRENTNT )

OVER HEAT PROTECTION (°C) :  $65^{\circ}C \pm 5^{\circ}C$

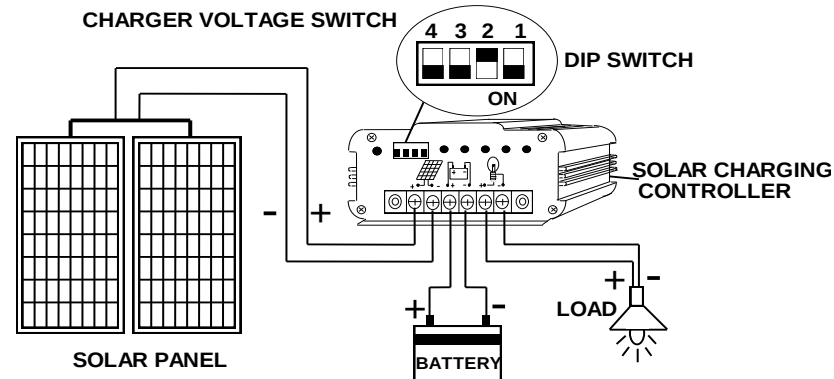
EFFICIENCY : > 90%

DIMENTION ( L\*W\*H) mm : 231\*118\*63

WEIGHT : 820g



#### SOLAR CHARGER 12V/24V-30A WIRE CONNECTION

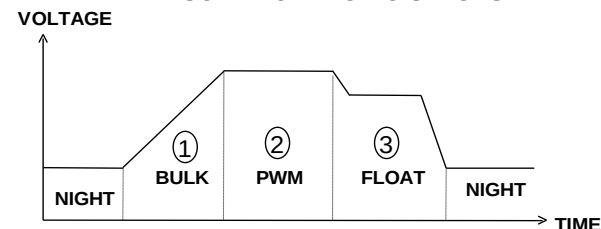


#### DIP SWITCH SETTING FOR BATTERY TYPE

| DIP SWITCH SETTING |            |           | BATTERY VOLTAGE | BULK       | FLOAT          | BATTERY TYPE |
|--------------------|------------|-----------|-----------------|------------|----------------|--------------|
| 1                  | 2          | 3         |                 |            |                |              |
| OFF<br>OFF         | OFF<br>OFF | ON<br>OFF | 12V<br>24V      | 15V<br>30V | 14.5V<br>29V   | NI-CAD       |
| OFF<br>OFF         | ON<br>ON   | ON<br>OFF | 12V<br>24V      | 14V<br>28V | 13.8V<br>27.6V |              |
| ON<br>ON           | OFF<br>OFF | ON<br>OFF | 12V<br>24V      | 14V<br>28V | 13.5V<br>27V   | FLOODED/WET  |
| ON<br>ON           | ON<br>ON   | ON<br>OFF | 12V<br>24V      | 14V<br>28V | 13.2V<br>26.4V | SEALED       |

DIP SWITCH 4 SETTING : ON = NORMAL MODE OFF = LIGHT MODE

#### SOLAR CHARGING STAGES



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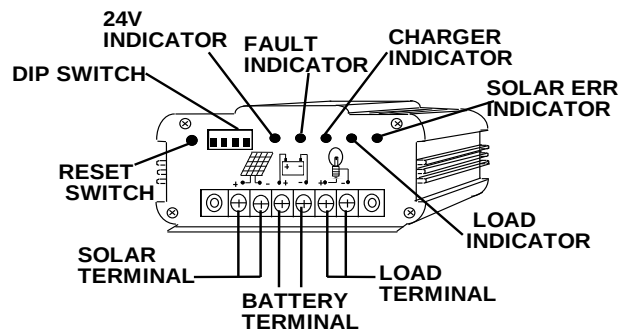
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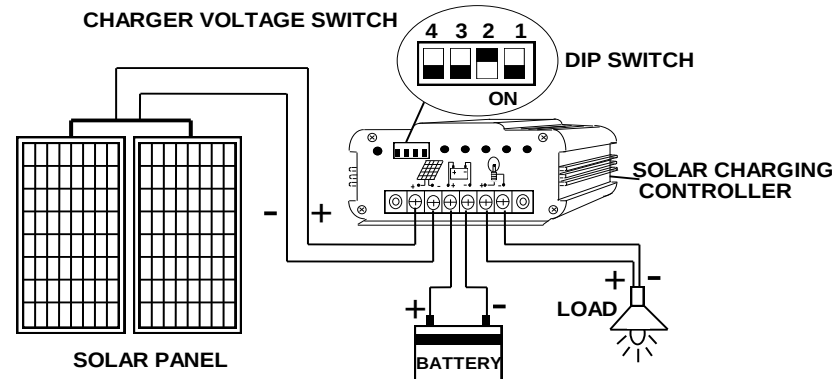
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#### SOLAR CHARGER 12V/24V-30A WIRE CONNECTION



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|--------------------|------------|-----------|-----------------|------------|----------------|--------------|
| 1                  | 2          | 3         |                 |            |                |              |
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| OFF<br>OFF         | ON<br>ON   | ON<br>OFF | 12V<br>24V      | 14V<br>28V | 13.8V<br>27.6V |              |
| ON<br>ON           | OFF<br>OFF | ON<br>OFF | 12V<br>24V      | 14V<br>28V | 13.5V<br>27V   | FLOODED/WET  |
| ON<br>ON           | ON<br>ON   | ON<br>OFF | 12V<br>24V      | 14V<br>28V | 13.2V<br>26.4V | SEALED       |

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