

Monitoring Solar Power Supply System

Model: CSI3015



Product Introduction

Without wiring, it can be used continuously for 360 days in a place with light. Fully enclosed IP65 is super waterproof, breaking the rules and adopting large capacity; Lithium battery, with long battery life, is far ahead in the industry. At the same time, it is equipped with high conversion photovoltaic panels and excellent power generation performance in low light environment; Fast charging and high photoelectric conversion rate. It can be charged normally and operated normally in rainy days.

Features

- ◎ IP65 waterproof solar panel 30W solar panel, which is encapsulated by high-efficiency mono-crystalline silicon solar cells, has a conversion efficiency of not less than 20% and a module conversion efficiency of not less than 17%. Power: the peak power tolerance of the module is 3%, and high-quality tempered glass with high light transmittance is used; Excellent power generation performance in low light environment, and ideal charging effect can be achieved in rainy days.
- ◎ High-strength aluminum oxide frame, wear-resistant, one-time die-casting, durable; Unique technology makes the assembly beautiful and easy to install; Unique technology to avoid freezing and deformation of water in the frame; It can bear 5400Pa snow load and 2400Pa wind pressure.
- ◎ High-light-transmission tempered glass is used to effectively resist heavy rain and hail

Specification

Model		CSI3015 (30W15AH12.8V)
Solar Panel Specification		
Communication interface	Mono-crystalline silicon	
Maximum power	30W (1000W/m ² standard lighting test conditions)	
Open circuit voltage	22VDC	
Maximum current	4.4A	
Dimensions	670*350*25 (mm)	
Weight	3.95kg (including bracket)	
Battery Specification		
Solution	MPPT (input maximum power tracking algorithm), constant voltage output,	
Battery capacity	12.8V/15AH (192WH)	
Charging indication	LED status indicator	
Charging voltage	15-18VDC	
Maximum charging current	6A	
Output voltage	12±0.2VDC	
Maximum output current	3A (total of 2 outputs)	
Battery pack overcharge voltage	14.6VDC	
Battery pack over-discharge voltage	10VDC	
Input interface	Photovoltaic aviation plug	
Output interface	DC5.5mm diameter standard male plug, 2 outputs in total	
Power on power consumption	0.5±0.1W (normal temperature, no load when powered on)	
Waterproof level	IP65	
Storage temperature	0-45°C	
Operating temperature	Charging: -10-50°C Discharging: -10-60°C	
Dimensions	Length 50*width 9.8*height 8.3CM	
Weight	4.4KG	
Battery life and charging		
Battery life when powered off	2 years (battery pack has no output after shutdown, power loss is self-discharge of battery cells, about 3%-5%/month)	
Battery life when powered on	About 25 days (normal temperature, no load)	
Battery life with load	About 1-2 days (room temperature, no charging, mobile camera mounted)	
Recharge time (0-100% battery)	Conditions: normal temperature, 30W photovoltaic panel, standard light duration 4-5 hours/day	

Scope of application

Widely used in: street urban management law enforcement monitoring, river forbidden area monitoring, pipeline valve room monitoring in oil and gas industry, disaster prevention Internet of Things monitoring, national border defense monitoring, forest fire prevention and waterproof monitoring. Farm/orchard management, anti-theft of fish ponds, safety monitoring of construction sites, factory areas, expressway sections, outdoor parking lots, tourist attractions, poverty alleviation through new farming and other industries.



Precautions for use

Solar panels should be installed in the surrounding areas where there are no high-rise buildings, trees, poles, etc., so as to fully obtain the energy of sunlight. When installing, pay attention to the positive and negative poles to avoid reverse connection of the positive and negative poles and short circuit of the positive and negative poles for a long time.

HIMAX



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