

NJ-iot406

Product use manual of Internet of Things
insecticidal lamp controller

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I. Product function and features

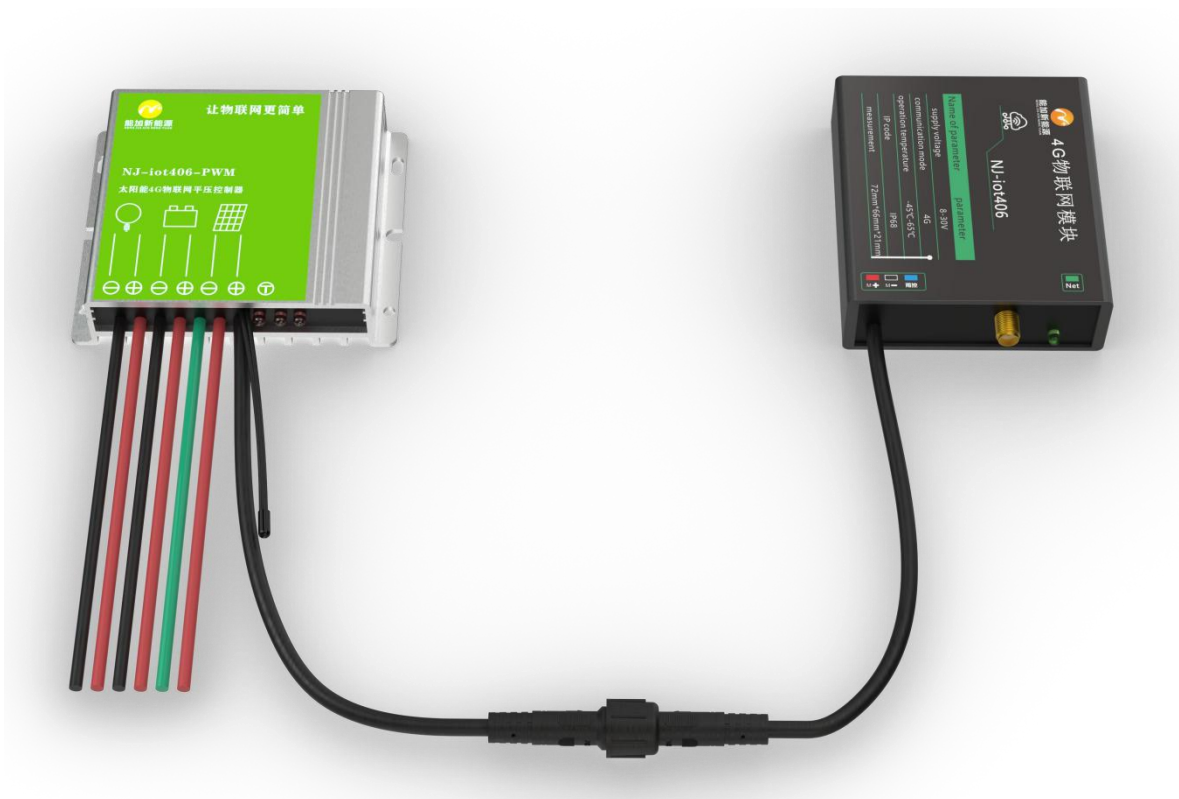
The NJ-iot406 is a communication module that can adapt to a solar controller with Cat.1 communication function, it can remotely connect to the cloud server, and has a set of modules the RS232 communication serial port, you can complete the distribution and reading of the controller parameters and states. Control main performance features of the device:

- Support manual, rain control, light control, time control , temperature control .
- MPPT charging and PWM charging is optional, support the mobile phone and computer side to view the historical charging voltage, current, power, temperature, and humidity curves .
- Support mobile, Unicom, telecom full netcom communication mode .
- Support map display, fault alarm, default support base station positioning, GPS / Beidou positioning selection .
- With equipment, fault equipment positioning and navigation .
- Built-in optional tilt sensor, lamp pole tilt detection optional ★ support external infrared count transmission ,sensors, statistics of the number of pesticides .

- Support external environmental detection sensor, monitor wind force, wind direction, PM2.5, PM10, temperature, humidity, rainfall and other parameters .
- Support the access of Haikang video surveillance .

II. Appearance size

Length, width and height =72mm *66mm *21mm





III. Product Parameter

open circuit losses	10mA(12V);6mA(24V)
service voltage	12V/24V
Antenna type	outlay
communication mode	4G-Cat.1
Carrier operator	Three netcom

working temperature	-35° C ~ 65° C
levels of protection	IP68
size (mm)	72mmx66mmx21mm

IV. Status indication

pilot lamp	state	function declaration
Network indicator light (green)	Very slow (bright for 0.3s, dead for 5s)	No SIM cards were detected
Network indicator light (green)	Slow flash (bright 0.3s, out 2s)	Normal, boot
	Medium flash (bright 0.3s, out 1s)	Connecting the network
	Flash flash (bright 0.1s, out 0.1s)	The network is connected

V. Mode of connection



For safety, please follow the wiring order of load, battery and optical battery.

* Antenna should avoid being directly connected with metal (including articles with shielded function), and should not be placed in a completely closed iron container. In addition, installation should be firmly, and avoid line scratches and insulation damage.

a) connected load

At this time, the controller has not started working, and the controller does not react after the connection is completed.

b) Connect the battery

Before connecting the battery, ensure that the battery voltage is above 9V to start the controller. If it is unified is 24V, to ensure that the battery voltage is not less than 18V. When the battery connection is complete, the controller will start working.

c) Connect the optical panel

The controller can apply to 12V or 24V standard specification solar modules, or can solar cell modules with an open-circuit voltage not exceeding the specified maximum input voltage are applicable. solar energy the maximum power point voltage of the assembly should be lower than the battery voltage.

d) The four-core wire of the controller is connected to the four-core wire of the module to observe the module indicator lamp.

Fast flash for online.

e) Rain control: the two blue lines on the module connect to the rain control, and the two lines guide the controller to stop the work connect.

f) Connect antenna

Attach the antenna to the housing and connect the machine through the antenna extension.

VI. Technical support



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