SolarIQ Optimizer

User Manual

SIAPV_POW_OPTDE01B

Manual de utilizare



Thank you for purchasing our products!

Please read this manual before using the product.

***nJoy** is a brand of power and backup protection products that creates solutions for multiple levels of environment complexity, residential to industrial.*

The SolarIQ optimizer works by adjusting the performance of the solar panel to ensure that it operates at peak efficiency by individually tracking its maximum power point. It reduces the impact of shading, dirt, or panel mismatch.

1 Safety Precautions

Due to continuous upgrade of the product or other reasons, the content of the document will be updated continuously. Unless otherwise agreed, the contents of this document cannot replace the safety precautions on product labels. The description in manual should be used as guidance only.

Please read this installation guide carefully before installation.

◆ The installation technician should use insulated tools and wear personal protective equipment.

◆ Failure to follow the requirements of this document to operate the equipment may result in personal injury or equipment damage, and our company is not responsible for it.

2 Warning



Danger of high voltage, please make sure the power is off when installing and removing the Optimizer.



When the device is running, surface temperature is high, do not touch. Otherwise it may cause burns.



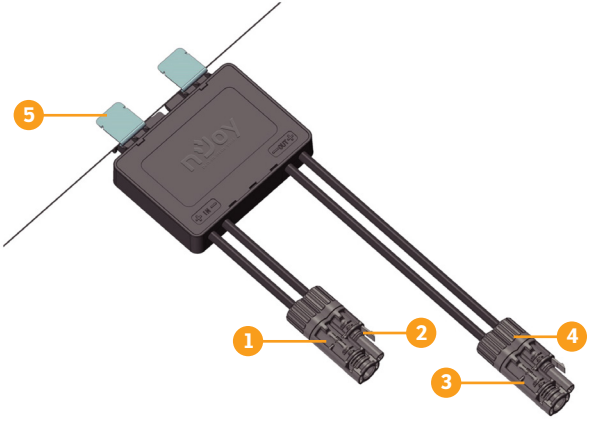
Before installation, please read the product manual carefully.



When the device is running, there is potential danger. Please wear protective equipment during operation.

3 Equipment Overview

1 Optimizer input positive
2 Optimizer input negative
3 Optimizer output negative
4 Optimizer output positive
5 Mounting clips



Components

⚠ WARNING

Wrong sequence of installation and disassembly may cause irreversible damage to the product, or other risks

4 Installation steps

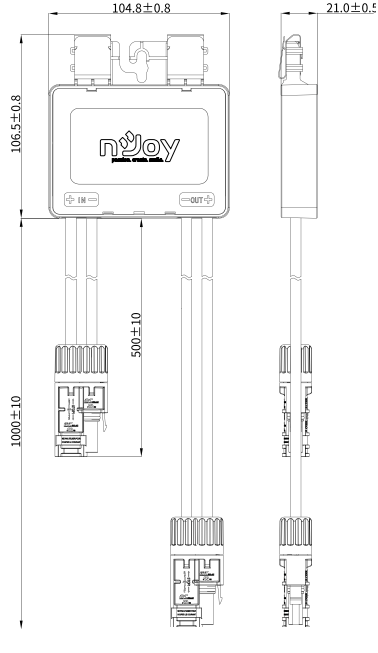
A Fastening Optimizer.

B Connect Optimizer input positive 1 with PV module output positive.

C Connect Optimizer input negative 2 with PV module output negative.

D Connect Optimizer output negative 3 with next PV module positlve or next Optimizer output positive.

E Connect Optimizer output positive 4 with next PV module negative or next Optimizer output negative.

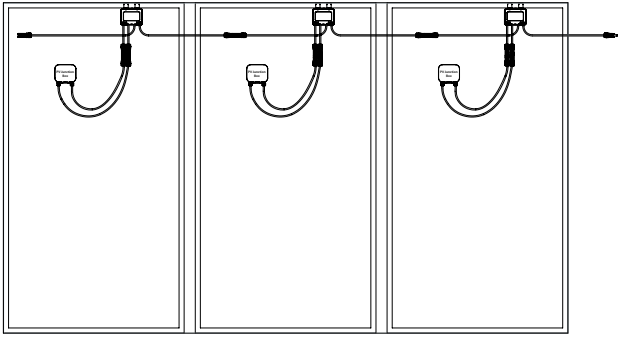


5 Disassembly steps

Disconnect the optimizer following these steps:

E ⟶ **D** ⟶ **C** ⟶ **B** ⟶ **A**

6 After installation



Multumim pentru ca ati ales produsele noastre!

Va rugam cititi manualul de utilizare inainte de a pune in functiune acest produs.

nJoy *este un brand de solutii UPS dedicate protectiei si rezervei de energie din diferite medii de utilizare, de la rezidential la industrial*

Optimizatorul SolarIQ functioneaza echilibrand performantei panoului solar pentru a se asigura ca acesta functioneaza la eficienta maxima prin urmarirea individuala a punctului sau de putere maxima. Acesta reduce impactul umbririi, al murdariei sau al nepotrivirii panourilor.

1 Masuri de siguranta

- Datorita actualizarilor continue ale produsului sau altor motive, continutul documentului va fi actualizat constant. Cu exceptia cazului in care se agreeaza altfel, continutul acestui document nu poate inlocui masurile de siguranta de pe etichetele produselor. Descrierea din manual este doar un ghid.

- Va rugam sa cititi cu atentie acest ghid inainte de instalare.

- Tehnicianul este obligat sa poarte echipament de protectie si sa utilizeze unelte izolatoare.

In cazul nerespetarii obligatiilor prezentate in acest document, pot surveni raniri grave ale persoanelor sau distrugeri ale echipamentelor. Nu ne asumam responsabilitatea in aceste cazuri.

2 Avertisment



Pericol de tensiune inalta, va rugam sa va asigurati ca alimentarea este oprita atunci cand instalati sau demontati Optimizatorul.



Cand echipamentul functioneaza, temperatura suprafetei este foarte mare, este interzis contactul cu ea. In caz contrar, pot aparea arsuri grave.



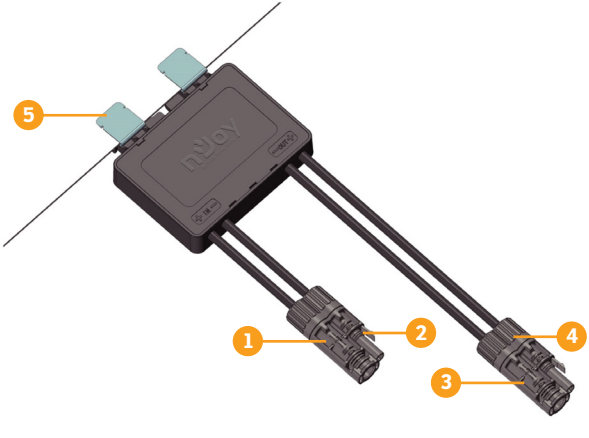
Inainte de instalare, va rugam sa cititi cu atentie manualul produsului.



In timpul functionarii, exista un potential pericol constant. Va rugam sa purtati echipamente de protectie in timpul oricarei operatiuni.

3 Prezentarea echipamentului

1 Intrare pozitiva in Optimizator
2 Intrare negativa in Optimizator
3 Iesire negativa in Optimizator
4 Iesire pozitiva in Optimizator
5 Clipsuri de montaj



Componente

⚠ ATENTIE

Secventa gresita de instalare si demontare poate cauza daune iremediabile produsului sau alte riscuri majore.

4 Pasi de instalare

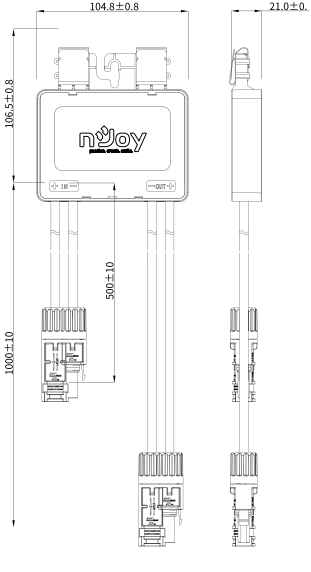
A Fixarea Optimizatorului.

B Conecteaza intrarea pozitiva a Optimizatorului (1) la iesirea pozitiva a modulului fotovoltaic (PV).

C Conecteaza intrarea negativa a Optimizatorului (2) la iesirea negativa a modulului fotovoltaic (PV).

D Conecteaza iesirea negativa a Optimizatorului (3) la borna pozitiva a urmatorului modul fotovoltaic sau la iesirea pozitiva a urmatorului Optimizator.

E Conecteaza iesirea pozitiva a Optimizatorului (4) la borna negativa a urmatorului modul fotovoltaic sau la iesirea negativa a urmatorului Optimizator.



5 Pasi de demontare

Deconectati optimizatorul urmand acesti pasi:

E ⟶ D ⟶ C ⟶ B ⟶ A

6 Dupa instalare

