



Product Service

Attestation of Conformity

No. ROHS8 118771 0019 Rev. 00

Holder of Attestation: **Zhejiang Sunpro Power Technology co., Ltd**

Qinggang Technological Ind.Zone
317606 Yuhuan, Zhejiang Province
PEOPLE'S REPUBLIC OF CHINA

Product: **Crystalline Silicon Terrestrial Photovoltaic (PV) Modules Solar Module**

Tested according to:

EN 62321-1:2013
EN 62321-2:2014
EN 62321-3-1:2014
EN 62321-4:2014/A1:2017
EN 62321-5:2014
EN 62321-6:2015
EN 62321-7-1:2015
EN 62321-7-2:2017
EN 62321-8:2017

The product was tested according to the European Directive 2011/65/EU concerning RoHS and additionally according to Directive (EU) 2015/863 to amend Annex II of the above mentioned Directive with 4 additional substances. Pb, Hg, Cd, Cr(VI), PBBs and PBDEs could not be detected over the limit defined by the European Directive 2011/65/EU. DEHP, BBP, DBP and DIBP could not be detected over the limit defined by the European Directive (EU) 2015/863. This Attestation of Conformity confirms the compliance with the listed requirements on a voluntary basis. It refers only to the sample submitted and does not certify the quality or safety of the serial products. For details see: www.tuvsud.com/ps-cert

Test report no.: 48.400.23.0989.01-00/01

Date, 2023-10-25

(Feng Zhang)

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After preparation of the necessary technical documentation as well as the EU declaration of conformity the required CE marking can be affixed on the product. Other relevant directives have to be observed.



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Model(s):

SP430-N108M10, SPDG430-N108M10, SPxxx-72P(xxx=320 to 350 , in step of 5), SPxxx-60P(xxx=265 to 290 ,in step of 5), SPxxx-54P(xxx=240 to 260 ,in step of 5), SPxxx-48P(xxx=215 to 235 , in step of 5), SPxxx-36P(xxx=160 to 175 ,in step of 5), SPxxx-72M(xxx=370 to 410 ,in step of 5), SPxxx-60M(xxx=305 to 340, in step of 5), SPxxx-54M(xxx=280 to 310, in step of 5), SPxxx-48M(xxx=245 to 270, in step of 5), SPxxx-36M(xxx=185 to 205, in step of 5), SPxxx-144MG(xxx=380 to 415 ,in step of 5), SPxxx-120MG(xxx=315 to 345, in step of 5), SPxxx-144M(xxx=410 to 460, in step of 5), SPxxx-120M(xxx=340 to 385, in step of 5), SPxxx-144M10(xxx=520 to 565, in step of 5), SPxxx-132M10(xxx=480 to 520, in step of 5), SPxxx-120M10 (xxx=435 to 470, in steps of 5), SPxxx-108M10 (xxx=390 to 425, in steps of 5), SPxxx-132M12 (xxx=635 to 680, in steps of 5), SPxxx-120M12 (xxx=580 to 620, in steps of 5), SPxxx-110M12 (xxx=530 to 565, in steps of 5), SPxxx-N108M10 (xxx=410 to 440, in steps of 5), SPxxx-N120M10 (xxx=455 to 490, in steps of 5), SPxxx-N132M10 (xxx=510 to 540, in steps of 5), SPxxx-N144M10 (xxx=545 to 590, in steps of 5), SPxxx-N156M10 (xxx=590 to 640, in steps of 5), SPxxx-N132M12 (xxx=685 to 710, in steps of 5), SPxxx-N120M12 (xxx=620 to 645, in steps of 5), SPxxx-N110M12 (xxx=570 to 590, in steps of 5), HSGxxx-72P(xxx=320 to 350 ,in step of 5), HSGxxx-60P(xxx=265 to 290 ,in step of 5), HSGxxx-54P(xxx=240 to 260 ,in step of 5), HSGxxx-48P(xxx=215 to 235 ,in step of 5), HSGxxx-36P(xxx=160 to 175 ,in step of 5), HSGxxx-72M(xxx=370 to 410 ,in step of 5), HSGxxx-60M(xxx=305 to 340, in step of 5), HSGxxx-54M(xxx=280 to 310, in step of 5), HSGxxx-48M(xxx=245 to 270, in step of 5), HSGxxx-36M(xxx=185 to 205, in step of 5), HSGxxx-144MG(xxx=380 to 415 ,in step of 5), HSGxxx-120MG(xxx=315 to 345, in step of 5), HSGxxx-144M(xxx=410 to 460, in step of 5), HSGxxx-120M(xxx=340 to 385, in step of 5), HSGxxx-144M10(xxx=520 to 565, in step of 5), HSGxxx-132M10(xxx=480 to 520, in step of 5), HSGxxx-120M10 (xxx=435 to 470, in steps of 5), HSGxxx-108M10 (xxx=390 to 425, in steps of 5), HSGxxx-132M12 (xxx=635 to 680, in steps of 5), HSGxxx-120M12 (xxx=580 to 620, in steps of 5), HSGxxx-110M12 (xxx=530 to 565, in steps of 5), HSGxxx-N108M10 (xxx=410 to 440, in steps of 5), HSGxxx-N120M10 (xxx=455 to 490, in steps of 5), HSGxxx-N132M10 (xxx=510 to 540, in steps of 5), HSGxxx-N144M10 (xxx=545 to 590, in steps of 5), HSGxxx-N156M10 (xxx=590 to 640, in steps of 5), HSGxxx-N132M12 (xxx=685 to 710, in steps of 5), HSGxxx-N120M12 (xxx=620 to 645, in steps of 5), HSGxxx-N110M12 (xxx=570 to 590, in steps of 5), SPDGxxx-144M(xxx=410 to 460, in step of 5), SPDGxxx-120M(xxx=340 to 385, in step of 5), SPDGxxx-144M10(xxx=520 to 565, in step of 5), SPDGxxx-132M10(xxx=480 to 520, in step of 5),

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SPDGxxx-120M10 (xxx=435 to 470, in steps of 5),
 SPDGxxx-108M10 (xxx=390 to 425, in steps of 5),
 SPDGxxx-132M12 (xxx=635 to 680, in steps of 5),
 SPDGxxx-120M12 (xxx=580 to 620, in steps of 5),
 SPDGxxx-110M12 (xxx=530 to 565, in steps of 5),
 SPDGxxx-N108M10 (xxx=410 to 440, in steps of 5),
 SPDGxxx-N120M10 (xxx=455 to 490, in steps of 5),
 SPDGxxx-N132M10 (xxx=510 to 540, in steps of 5),
 SPDGxxx-N144M10 (xxx=545 to 590, in steps of 5),
 SPDGxxx-N156M10 (xxx=590 to 640, in steps of 5),
 SPDGxxx-N132M12 (xxx=685 to 710, in steps of 5),
 SPDGxxx-N120M12 (xxx=620 to 645, in steps of 5),
 SPDGxxx-N110M12 (xxx=570 to 590, in steps of 5),
 HSGDGxxx-144M(xxx=410 to 460, in step of 5),
 HSGDGxxx-120M(xxx=340 to 385, in step of 5),
 HSGDGxxx-144M10(xxx=520 to 565, in step of 5),
 HSGDGxxx-132M10(xxx=480 to 520, in step of 5),
 HSGDGxxx-120M10 (xxx=435 to 470, in steps of 5),
 HSGDGxxx-108M10 (xxx=390 to 425, in steps of 5),
 HSGDGxxx-132M12 (xxx=635 to 680, in steps of 5),
 HSGDGxxx-120M12 (xxx=580 to 620, in steps of 5),
 HSGDGxxx-110M12 (xxx=530 to 565, in steps of 5),
 HSGDGxxx-N108M10 (xxx=410 to 440, in steps of 5),
 HSGDGxxx-N120M10 (xxx=455 to 490, in steps of 5),
 HSGDGxxx-N132M10 (xxx=510 to 540, in steps of 5),
 HSGDGxxx-N144M10 (xxx=545 to 590, in steps of 5),
 HSGDGxxx-N156M10 (xxx=590 to 640, in steps of 5),
 HSGDGxxx-N132M12 (xxx=685 to 710, in steps of 5),
 HSGDGxxx-N120M12 (xxx=620 to 645, in steps of 5),
 HSGDGxxx-N110M12 (xxx=570 to 590, in steps of 5),
 SP-144DSXXX (xxx = 440-500, in step of 5),
 SP-132DSXXX(xxx = 405-455, in step of 5),
 SP-120DSXXX(xxx = 365-415, in step of 5),
 SP-144DSNXXX(xxx = 440-480, in step of 5),
 SP-132DSNXXX(xxx = 405-440, in step of 5),
 SP-120DSNXXX (xxx = 365-400, in step of 5),
 SP-156DSBXXX(xxx = 490-520, in step of 5),
 SP-144DSBXXX(xxx = 450-480, in step of 5),
 SP-132DSBXXX (xxx = 410-440, in step of 5),
 SP-120DSBXXX(xxx = 375-400, in step of 5),
 SP-156DSNXXX(xxx = 490-520, in step of 5),
 SP-156DSXXX (xxx = 490-520, in step of 5),
 SP-144DNXXX(xxx = 440-500, in step of 5),
 SP-132DNXXX (xxx = 405-455, in step of 5),
 SP-120DNXXX (xxx = 365-415, in step of 5),
 SP-144DNXXX(xxx = 440-480, in step of 5),
 SP-132DNXXX (xxx = 405-440, in step of 5),
 SP-120DNNXXX (xxx = 365-400, in step of 5),
 SP-96DNNXXX (xxx = 295-320, in step of 5),
 SP-210-110DSXXX (xxx = 540-590, in step of 5),
 SP-210-120DSXXX(xxx = 590-650, in step of 5),
 SP-210-132DSXXX(xxx = 640-720, in step of 5),
 SP-S120DSBXXX(xxx = 370-400, in step of 5),
 SP-S120DSXXX(xxx = 375-400, in step of 5),
 SP-S132DSXXX(xxx = 410-440, in step of 5),
 SP-S144DSXXX (xxx = 450-480, in step of 5),
 SP-182-108DSXXX(xxx = 410-450, in step of 5),

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SP-182-144DSXXX(xxx = 550-600, in step of 5),
SP-182-108DSBXXX(xxx=420-440 in step of 5),
SP-182-108DSNXXX(xxx=420-440 in step of 5),
SP-182-S108DSBXXX(xxx=425-445 in step of 5)

Parameters:

Maximu power voltage (Vmp): 36.75 Vmp~46.16 Vmp

Maximu power current (Imp): 13.07 Imp ~17.6 Imp

Open circuit voltage (Voc): 44.64 Voc ~46.14 Voc

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