

SPHM6-55L

535-555 Watt

MONO CRYSTALLINE MODULE



SpolarPV
Easy Invest, More Returns

- SP535HM6-55L
- SP545HM6-55L
- SP555HM6-55L
- SP540HM6-55L
- SP550HM6-55L

21.2 %

Module efficiency



Product warranty

555 W

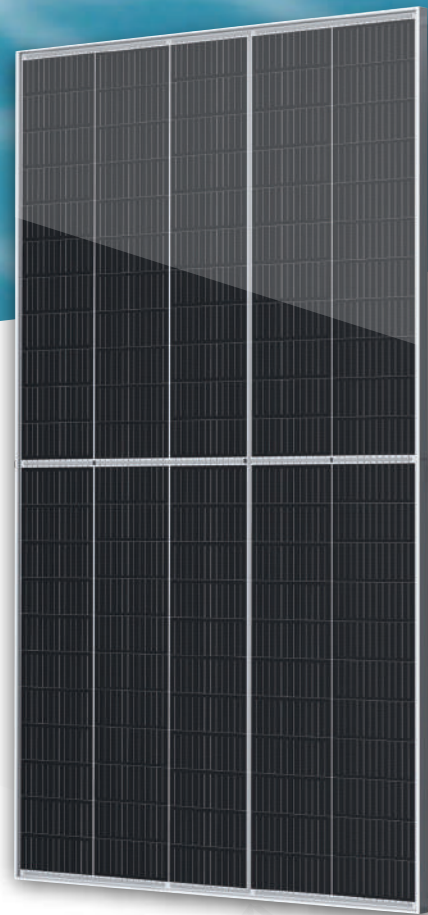
Highest power output



Linear power warranty

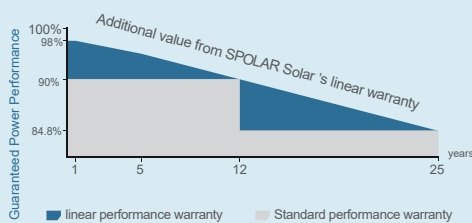
0 ~ +5W

Positive power tolerance



Key Features

Linear Performance Warranty



ISO9001:2016 ISO14001:2016
OHSAS18001:2011 certified factory.
IEC61215 IEC61730 certified products.

www.spolarpv.com



High Efficiency

Higher module conversion efficiency benefit from Passivated Emitter Rear Contact (PERC) technology.



PID Resistant

Excellent Anti-PID performance guarantee limited power degradation for mass production.



Low-light Performance

Advanced glass and cell surface texture design ensure excellent performance in low light environment.



Severe Weather Resilience

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



Durability against extreme environmental conditions

High salt mist and ammonia resistance.



Electrical Characteristics at Standard Test Conditions(STC)

Module Type	SP535HM6-55L	SP540HM6-55L	SP545HM6-55L	SP550HM6-55L	SP555HM6-55L
Maximum Power -Pmax (W)	535	540	545	550	555
Maximum Power Voltage - Vmp (V)	31.00	31.20	31.40	31.60	31.80
Maximum Power Current - Imp (A)	17.28	17.33	17.37	17.40	17.45
Open-circuit Voltage - Voc (V)	37.30	37.50	37.70	37.90	38.10
Short-circuit Current - Isc (A)	18.36	18.41	18.47	18.52	18.56
Module Efficiency STC (%)	20.5%	20.7%	20.9%	21.0%	21.2%

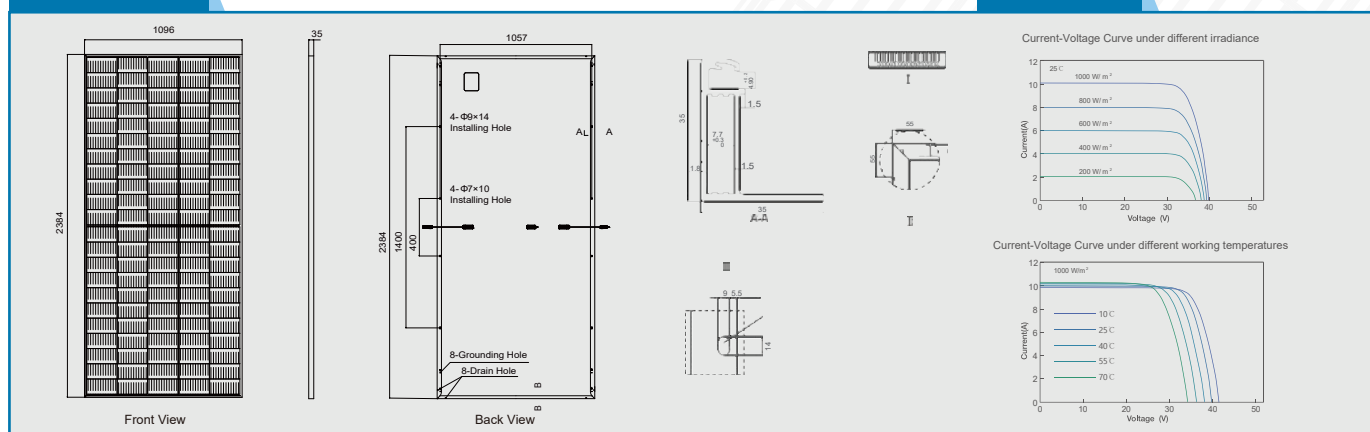
Electrical Characteristics at Normal Operating Cell Temperature(NOCT)

Module Type	SP535HM6-55L	SP540HM6-55L	SP545HM6-55L	SP550HM6-55L	SP555HM6-55L
Maximum Power -Pmax (W)	405	409	413	417	420
Maximum Power Voltage - Vmp (V)	28.80	29.00	29.20	29.30	29.50
Maximum Power Current - Imp (A)	14.06	14.10	14.15	14.19	14.23
Open-circuit Voltage - Voc (V)	35.10	35.30	35.50	35.70	35.90
Short-circuit Current - Isc (A)	14.80	14.84	14.88	14.92	14.96
Power tolerance	0~+5W		Operating Temperature(°C)		-40 C~+85 C
Temperature coefficients of Pmax	-0.34%/C		Maximum system voltage		1500V
Temperature coefficients of Voc	-0.25%/C		Maximum series fuse rating		30A
Temperature coefficients of Isc	0.04%/C		Nominal operating cell temperature		45±2 C

Mechanical Characteristics

Cell Type	Mono-crystalline PERC 210×105mm
No.of cells	55
Dimensions	2384×1096×35mm
Weight	28.6 kg
Front Glass	3.2mm, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68, MC4 Compatible, 3 Bypass Diodes
Output Cables	1×4.0mm ² , Length:600mm or Customized Length
Packaging Configuration	31pcs/pallet , 620pcs/40'HQContainer

Dimensions



*The company reserves the final right for explanation on any of the information presented hereby.

S/N: 001640

No.: **ICR Polska/VC/AX210502**

Name and address of Applicant

SpolarPV Technology Co., Ltd
Maoshan Road 39, Gaochun Economic Development Zone, Nanjing, Jiangsu, China

Name and address of manufacturer:

SpolarPV Technology Co., Ltd
Maoshan Road 39, Gaochun Economic Development Zone, Nanjing, Jiangsu, China

Product name:

SOLAR MODULE

Product types:

SPM6 Series(5W-520W), SPHM6 Series(5W-610W), SPP6 Series(5W-480W),
SPHP6 Series(5W-520W), SPM5 Series(5W-350W)

Product trademark:

n/a

This document confirms that the product sample meets the requirements of the following standards:

- Related with Directive 2014/30/EU:
EN 61000-6-3:2007+A1:2011
EN IEC 61000-6-1:2019

The assessment process has been carried out in accordance with individual rules and conditions agreed with the applicant. Evaluation has been carried out in accordance with:

Test report: B-E210536612

Tests conducted by: BEIDE

Issue date: 28.05.2021

Expiration date: 27.05.2026

Remarks:

Document refers to the above mentioned product and its conformity in regards of above mentioned standard(s) was proven on test sample
Document was issued on voluntary basis and does not imply meeting all essential requirements, assessment of the series-production or any other restricted Notified Bodies conformity assessment procedure appropriate for the product
Document status can be checked: <https://cert.icrpolska.com/>

CE marking remarks:

CE mark is not sanctioned by the following document
CE mark given here as reference, can be only use by the manufacturer after applying all essential requirements from relevant directives



Director: Rafal Kalinowski
Warsaw, 28.05.2021



CERTIFICATE

TÜV NORD CERT GmbH

herewith declares that

SPOLARPV TECHNOLOGY Co., Ltd.

Maoshan Road 39, Gaochun Economic Development Zone,
Nanjing City, Jiangsu Province,
P.R. China

is authorized to provide the product mentioned below with the mark as illustrated:

Description of product (details see Annex 2):

PV Modules with 6" Mono-crystalline Silicon Solar Cells

PV Modules with 6" Half-cut Mono-crystalline Silicon Solar Cells



Valid from: 2021-01-22

Valid until: 2025-09-21

Tested according to: IEC / EN 61215-1:2016;
IEC / EN 61215-1-1:2016;
IEC 61215-2:2016 / EN 61215-2:2017 + AC:2017 + AC:2018;
IEC 61730-1:2016 / EN IEC 61730-1:2018 + AC:2018;
IEC 61730-2:2016 / EN IEC 61730-2:2018 + AC:2018.

Registered No.: 44 780 21 406749 - 014

Manufacturer: see Annex 1

Test Report No.: 492011595.001

File No.: PVP11085/20P



TÜV NORD CERT GmbH
Certification Body
Consumer Products



Essen, 2021-01-22

Please also pay attention to the information stated overleaf.

Anlage 1 zum Zertifikat Nr.: / Annex 1 to Certificate No.: 44 780 21 406749 - 014

Seite / Page 1 von / of 1

Aktenzeichen: / File reference: PVP11085/20P

2021-01-22

Manufacturer:

Manufacturer:

SPOLARPV TECHNOLOGY Co., Ltd.

Maoshan Road 39, Gaochun Economic Development Zone,
Nanjing City, Jiangsu Province, P.R. China

Factory inspection report no.:

862010511.001

Remark:

Factory inspection is mandatory to be performed annually. Please refer to factory inspection report for detailed information.

A handwritten signature in blue ink, appearing to read "Rogers".

TÜV NORD CERT GmbH
Certification Body
Consumer Products

ZEICHENGENEHMIGUNG MARKS APPROVAL

SpolarPV Technology Co., Ltd,
Maoshan Road 39,
Gaochun Economic Development Zone
211300 Nanjing City
Jiangsu
China

ist berechtigt, für ihr Produkt /
is authorized to use for their product

Terrestrische Photovoltaik-Module mit Silizium-Solarzellen
Crystalline silicon terrestrial photovoltaic modules

die hier abgebildeten markenrechtlich geschützten Zeichen
für die ab Blatt 2 aufgeführten Typen zu benutzen /
the legally protected Marks as shown below for the types referred to on page 2 ff.



Geprüft und zertifiziert nach /
Tested and certified according to

DIN EN 61215-1 (VDE 0126-31-1):2017-05; EN 61215-1:2016
DIN EN 61215-1-1 (VDE 0126-31-1-1):2018-06; EN 61215-1-1:2016
DIN EN 61215-2 (VDE 0126-31-2):2019-02; EN 61215-2:2017+AC:2017+AC:2018
DIN EN IEC 61730-1 (VDE 0126-30-1):2018-10; EN IEC 61730-1:2018+AC:2018
DIN EN IEC 61730-2 (VDE 0126-30-2):2018-10; EN IEC 61730-2:2018+AC:2018

Das Produkt erfüllt auch die Anforderungen nach /
The product also fulfills the requirements of

IEC 61215-1:2016
IEC 61215-1-1:2016
IEC 61215-2:2016
IEC 61730-1:2016
IEC 61730-2:2016

Aktenzeichen: 5026451-3972-0001 / 287949

File ref.:

Ausweis-Nr. 40051201

Blatt 1

Certificate No.

Page

Weitere Bedingungen siehe Rückseite und Folgeblätter /
further conditions see overleaf and following pages

Offenbach, 2019-12-20

(letzte Änderung / updated 2021-07-27)

VDE Prüf- und Zertifizierungsinstitut GmbH
VDE Testing and Certification Institute
Zertifizierungsstelle / Certification

G. Hoine

VDE Zertifikate sind nur gültig bei Veröffentlichung unter:
VDE certificates are valid only when published on:

<http://www.vde.com/zertifikat>
<http://www.vde.com/certificate>



ISTITUTO SERVIZI
EUROPEI TECNOLOGICI

ISET S.r.l.

Sede Legale e Uffici

Via Donatori di sangue, 9 - 46024 Moglia (MN)

Tel. e fax +39 (0)376 598963

www.iset-italia.eu iset@iset-italia.com

Cap. soc. i.v.

€ 10.200,00

Cod. Fisc. e P.IVA Reg. Imprese

02 332 750 369

REA

02 332 750 369

Cap. soc. i.v.

MN 0221098

CERTIFICATE

Certificat - Certificado- Сертификат - Zertifikat - 證書

- 1) **APPLICANT:** (who finally puts the product on the market)

SpolarPV Technology Co., Ltd

Maoshan Road 39., Gaochun Economic Development Zone, Nanjing, Jiangsu, China

- 2) **CERTIFICATE NO.:** I/SETC.001320190716

FILE REFERENCE: ST-19000713

- 3) **ISET MARK:**



- 4) **CAUTION ABOUT CE MARKING** (Instruction for the Applicant who puts the product on the EU market):



The label of the CE Marking on the left side should be not less than 5mm height. CE Marking and EC Declaration of Conformity are duties for the manufacturer or its applicant who puts the product on the market. This one is responsible to start the CE marking and certification procedure as required by the legislation in force. Only for the products which are compulsorily included into specific Directives or Regulations will be necessary to appoint a Notified Body.

- 5) **TYPE OF PRODUCT:** SOLAR MODULE

MODEL(S): SPM6 Series(5W-400W), SPSMM6 Series(5W-400W),

SPP6 Series(5W-370W), SPSMP6 Series(5W-370W), SPM5 Series(5W-325W)

- 6) **LIST OF DIRECTIVES / REGULATIONS /STANDARDS** (as declared by the manufacturer itself)

Electromagnetic Compatibility 2014/30/EU

EN IEC 61000-6-1:2019; EN 61000-6-3:2007+A1:2011

- 7) **NOTE:** The applicant is aware about the contents and information included in the ModCOM04.06 Regulation for this type of Certificate that is considered totally accepted. The latest revision of the Regulation is available and can be downloaded from the website www.iset-italia.eu. This document is not referred to any evaluation that could be considered as included in the scope of the activities covered by the standard BS EN ISO/IEC 17065:2012 or European Regulation 765/2008.

- 8) **REMARK:** Certificate is issued on voluntary application from the Client and it gives to the applicant the right to use and affix the ISET Mark (at point 3) on their products, even if it doesn't imply any assessment on the safety and compliance of the product. ISET declares that the only scope of the assessment is to verify the existence of the declaration issued by the manufacturer or an applicant under its own responsibilities.

- 9) **DATE OF ISSUE:** 16/07/2019

EXPIRY DATE: 15/07/2024

- 10) **SIGNATURE:** Miriam Camplone

(On behalf of the Legal representative)



This document is property of ISET Srl and any kind of reproduction is to be considered strictly forbidden.