

# 310W



► Excellent technical advantages and system design scheme to achieve high reliability, power generation effective gain and EPC cost reduction. Products can match different installation conditions, taking into account high adaptability and high compatibility. With mature support and inverter scheme, customized design for industrial and commercial and centralized ground power stations.

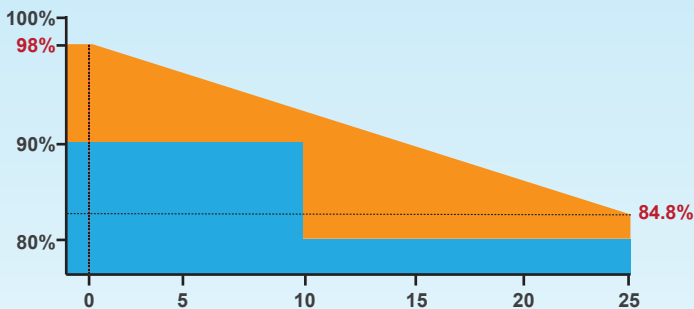
## SPTM-DT-310

### MODULE CHARACTER

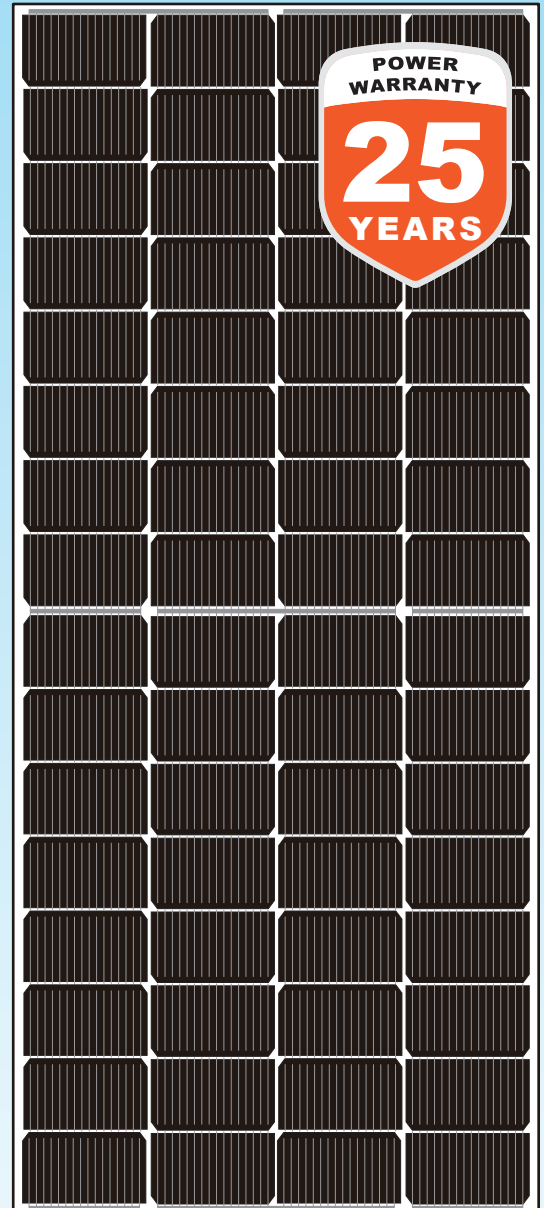
- PID Resistance
- Salt mist resistance/Ammonia resistance /dust and hail resistance
- Production process reliability test
- 0~+5W Positive Tolerance
- Mono 16 BB half cut
- Reduce BOS cost increase ROI
- Non-destructive cutting

### CERTIFICATION

- IEC61215/IEC61730
- ISO9001:Quality Management System
- ISO14001:Environmental Management System
- ISO45001:Occupational Health and Safety Management System



Linear performance warranty Product warranty



### SUNPACT SOLAR ENERGY (SMC-PRIVATE) LIMITED

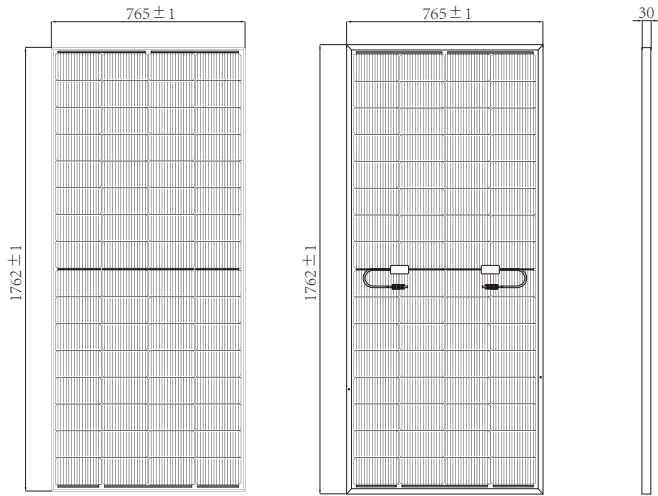
WAREHOUSE ADDRESS: HOUSE # 300 BLOCK G3 JOHAR TOWN LAHORE

TEL: 00923108888560 E-MAIL: sunpactltd@gmail.com

### ANHUI RED STAR SOLAR CO.,LTD

MANUFACTORY ADDRESS.: BUILDING 7, ELECTRONIC INFORMATION INDUSTRIAL PARK PHASE I,  
BENGBU TONGLING MODERN INDUSTRIAL PARK, XINMAQIAO TOWN, GUZHEN COUNTY, BENGBU CITY, ANHUI PROVINCE

# SPTM-DT-310



## MECHANICAL PARAMETERS

Cell	Mono
Weight	16.8 kg
Dimensions	1762 ± 1mm × 765 ± 1mm × 30 ± 1mm
Cable Cross Section Size	4mm <sup>2</sup> (IEC), 12 AWG(UL)
No. of cells	64 (4 × 16)
Junction Box	IP68, 3diodes
Connector	QC 4.10-351/ MC4-EVO2A
Cable Length	Portrait: 300mm(+)/400mm(-) Landscape: 1400mm(+)/1400mm(-)
Front Glass/Back Glass	2.0mm/2.0mm
Packaging Configuration	2pcs/carton, 1500pcs/40HQ Container

Remark: customized frame color and cable length available upon request

## ELECTRICAL PARAMETERS AT STC

TYPE	SPTM-DT-310
Rated Maximum Power(Pmax) [W]	310
Open Circuit Voltage (Voc) [V]	23.29
Maximum Power Voltage(Vmp) [V]	19.84
Short Circuit Current(Isc) [A]	16.43
Maximum Power Current(Imp) [A]	15.63
Module Efficiency [%]	23
Power Tolerance	0~+5%
Temperature Coefficient of Isc( $\alpha_{Isc}$ )	+0.045%/°C
Temperature Coefficient of Voc ( $\beta_{Voc}$ )	-0.250%/°C
Temperature Coefficient of Pmax( $\gamma_{Pmp}$ )	-0.290%/°C
STC	Irradiance 1000W/m <sup>2</sup> , cell temperature 25°C, AM1.5G

Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.

## OPERATING CONDITIONS

Maximum System Voltage	1500V DC
Operating Temperature	-40°C~+85°C
Maximum Series Fuse Rating	30A
Maximum Static Load, Front*	5400Pa(112 lb/ft <sup>2</sup> )
Maximum Static Load, Back*	2400Pa(50 lb/ft <sup>2</sup> )
NOCT	45 ± 2°C
Bifaciality**	80% ± 10%
Safety Class	Class II
Fire Performance	UL Type 29/Class C

## CHARACTERISTICS

