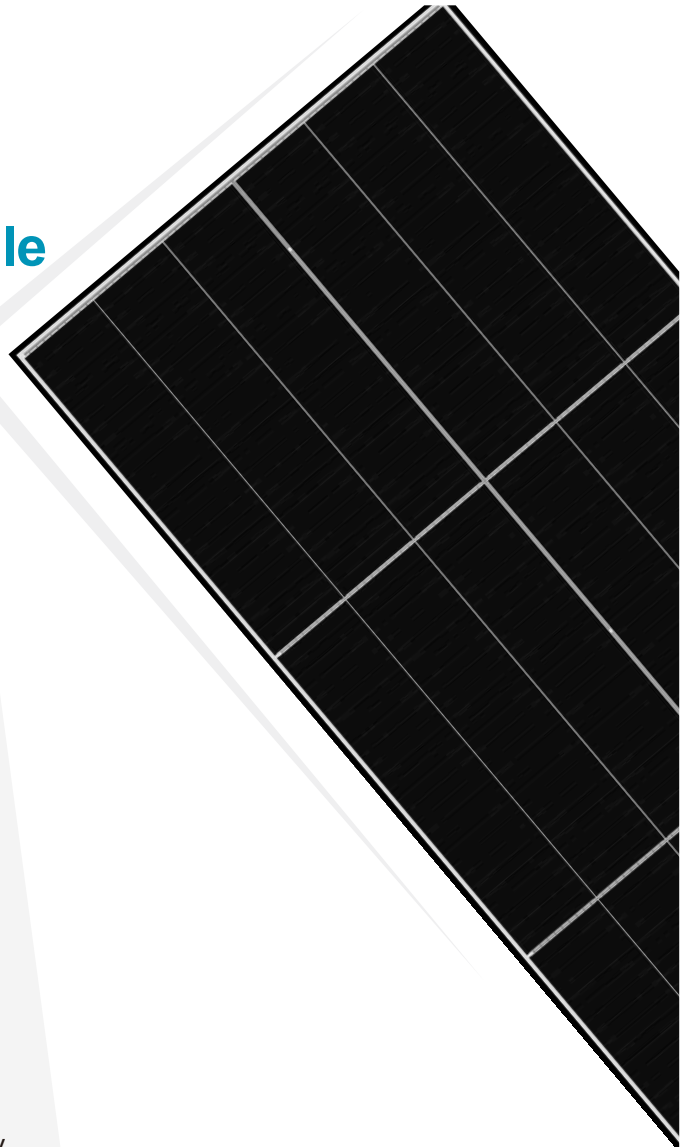




Mono PERC High Density Module

DAS-WO81P 415W ~ 435W



High Power

Module power leading in industry, up to 435W



High Reliability

Passed 3*IEC standard test, 12 years materials warranty, 25 years power warranty



Excellent Appearance and Performance

Esthetic design, no flare effect, "0" risk of micro-crack



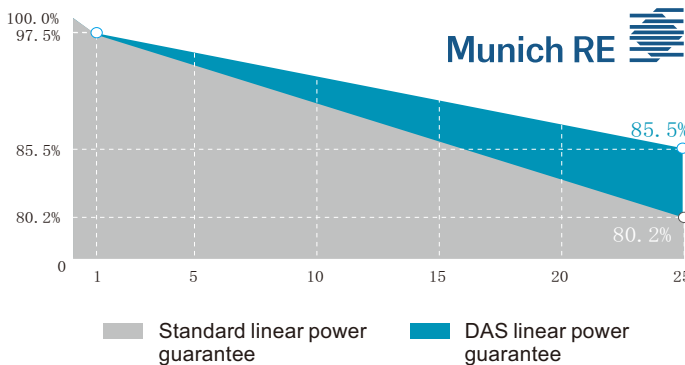
Low Hot-spot Risk

1/6 current, reducing the hot spot temperature



Low NMOT

As low as 43°C , improving the power generation efficiency



Product And Quality Certifications

- IEC 61215, IEC 61730
- ISO 9001: 2015 Quality Management System
- IEC 62716, IEC 61701: Ammonia, Salt mist corrosion test
- IEC TS 62804-1, IEC 60068-2-68: PID test, Dust and Sand test
- IEC TS 62941: 2016 Terrestrial photovoltaic (PV) modules. Guideline for increased confidence in PV module design qualification and type approval

-2.50%
First year power degradation

-0.50%
Annual degradation

12 YEAR
Materials and workmanship warranty

25 YEAR
Linear power warranty



DASOLAR[®]
Das Solar Co., Ltd.



DAS solar has been founded in 2018, the total designed production capacity is 5GW high efficiency Mono cell and 3GW high efficiency Mono module. It will be 1.2GW high efficiency Mono PERC cell and 900 MW high efficiency Mono PERC module production capacity from 2019.

Electrical Parameters (STC*)

Module Type	WO81P-435	WO81P-430	WO81P-425	WO81P-420	WO81P-415
Nominal Max. Power(Pmax/W)	435	430	425	420	415
Open Circuit Voltage(Voc/V)	56.17	55.85	55.53	55.21	54.88
Short Circuit Current(Isc/A)	9.91	9.86	9.81	9.76	9.71
Operating Voltage(Vmp/V)	46.72	46.43	46.14	45.85	45.55
Operating Current(Imp/A)	9.31	9.26	9.21	9.16	9.11
Module Efficiency(%)	20.3	20.0	19.8	19.6	19.3

STC*(Standard Test Condition): Irradiance 1000W/m², Cell Temperature 25°C, AM1.5

Electrical Parameters (NMOT*)

Module Type	WO81P-435	WO81P-430	WO81P-425	W180P-420	WO81P-415
Nominal Max. Power(Pmax/W)	322	318	315	311	307
Open Circuit Voltage(Voc/V)	53.40	53.10	52.80	52.40	52.10
Short Circuit Current(Isc/A)	8.00	7.96	7.92	7.88	7.84
Operating Voltage(Vmp/V)	44.30	44.00	43.80	43.50	43.20
Operating Current(Imp/A)	7.27	7.23	7.19	7.15	7.11

NMOT* (Nominal Module Operating Temperature): Irradiance 800W/m², Ambient Temperature 20°C, AM1.5, Wind Speed 1m/s

Mechanical Parameters

Cell size	Mono PERC 158.75*26.46mm
Module size	2128*1008*40mm (L*W*H)
Glass Thickness	3.2mm
Module Weight	23.0Kg
Output Cable	4mm ² , cable length 300mm (can be customized)
Connector	MC4 compatible
J-Box	IP68, 3 bypass diodes
Frame	Anodized aluminium alloy

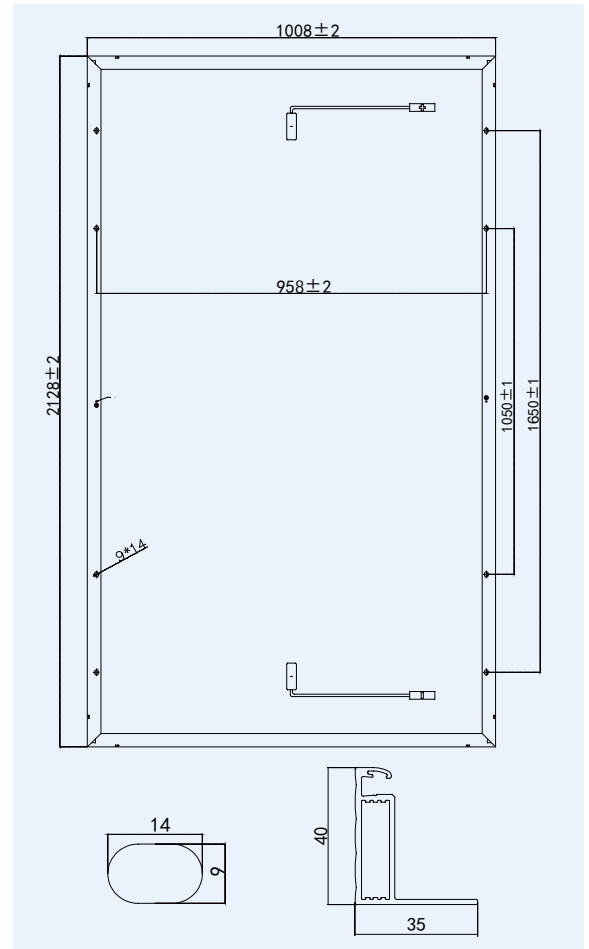
Temperature Coefficients

Short Circuit Current(Isc)	+0.048%/°C
Open Circuit Voltage(Voc)	-0.31%/°C
Nominal Max. Power(Pmax)	-0.38%/°C
NMOT	43±2°C

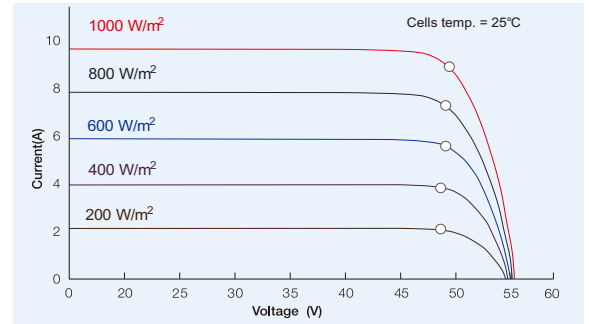
Operating Parameters

Max. System Voltage	DC1000V/DC1500V
Power Tolerance	0 ~ +5 W
Operating Temperature	-40°C ~ +85°C
Max. Fuse Rated Current	20A
Front Static Load	Snow load 5400Pa, Wind load 2400Pa
Application Classification	Class A
Packing Specification	27 pcs/Pallet, 235 pcs/ 20'GP; 540 pcs/ 40'HQ;

Dimension



I-V curve



I-V curve

