ANSO POWER

N-type TOPCon

ASP605T-66BDG

580-605W

Rectangle Bifacial Module with Double Glass

23.41%
Max. Efficiency

N-Type 182*199mm Cell

Adopting the 182*199mm N-Type TOPCon cells with the highest efficiency.

Bifacial with Double-Glass

Module adopts 182*199mm half cells, bifacial module provide an additional 5%~25% output.

Load Capacity

Mechanical load tests including wind load 2400Pa and snow load 5400Pa done by TUV.

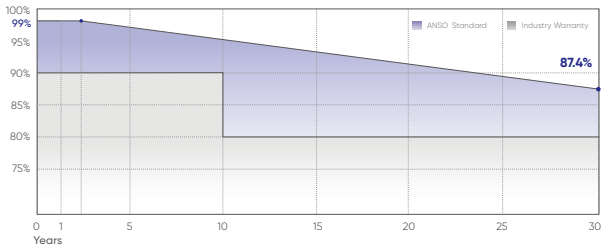
PID Protection

Ensure the attenuation probability caused by PID phenomenon is minimized.

Harsh Environmental Adaptability

Strict salt spray and ammonia corrosion test by TUV.

Power Warranty



15 Years
Product Warranty

30 Years
Linear Power Warranty

Quality Management System

IEC61215/61730, IEC62804(PID), IEC61701(Salt).
IEC62716 (Ammonia), IEC60068-2-68(Sand).
ISO 9001:2015/quality management system.
ISO 14001:2015/environmental management system.
ISO 45001:2018/occupation health safety management system.
ISO 50001:2011/energy management system.
IEC TS 62941-2016/PV industry quality management system.

ANSO Power Co., Ltd | W: www.ansopower.com E: alice@ansopower.com T: +86 183 2606 2301
Add: No. 33, Qiuju Road, Baiyan Science and Technology Park, Hefei, Anhui

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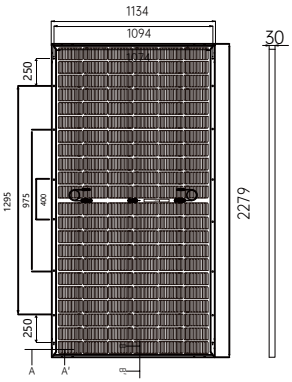
ASP580-605W

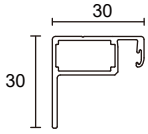
Mechanical Characteristics

Weight	32kg
Dimensions	2279×1134×30mm
Cell Dimensions	182×199mm
Cell Amount	66×2 pcs
Maximum System Voltage	1500V
Junction Box	IP68
Glass Thickness	(F) 2.0mm, Anti-Reflection Coating | (B) 2.0mm, Heat Strengthened Glass
Frame	Aluminum Alloy
Cable	4mm², 300mm in length, length can be customized / UV resistant
Connector	MC4 Compatible
Bifaciality	80±5%
Packing	36pcs/pallet, 720pcs/40'HQ Container

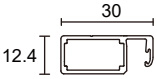
Drawings



Frame Cross Section A-A



Frame Cross Section B-B



Electrical Parameters(STC*)

Module Type: ASP605T-66BDG	580	585	590	595	600	605
Maximum Power (Pmax/W)	580	585	590	595	600	605
Open Circuit Voltage (Voc/V)	48.22	48.42	48.62	48.82	49.02	49.22
Short Circuit Current (Isc/A)	15.22	15.27	15.32	15.34	15.40	15.46
Voltage at Maximum Power (Vmp/V)	40.31	40.51	40.72	40.92	41.12	41.32
Current at Maximum Power (Imp/A)	14.39	14.44	14.49	14.54	14.59	14.64
Module Efficiency (%)	22.44	22.64	22.83	23.02	23.22	23.41

*STC: Irradiance 1000W/m², cell temperature 25°C, AM=1.5. Tolerance of Pmax is within ±3%.

Electrical Parameters(NMOT*)

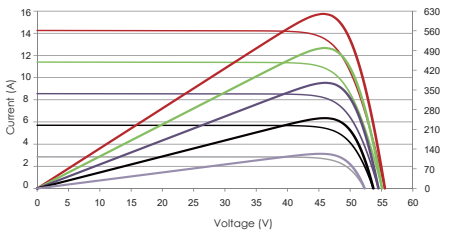
Maximum Power (Pmax/W)	437	440	444	448	452	456
Open Circuit Voltage (Voc/V)	45.84	46.04	46.24	46.44	46.64	46.84
Short Circuit Current (Isc/A)	12.23	12.25	12.28	12.33	12.38	12.43
Voltage at Maximum Power (Vmp/V)	37.64	37.84	38.04	38.23	38.43	38.63
Current at Maximum Power (Imp/A)	11.61	11.63	11.67	11.72	11.76	11.80

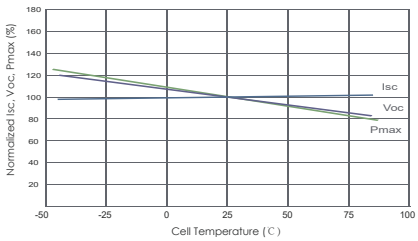
**NMOT: Under Nominal Module Operating Temperature (NMOT), irradiance of 800W/m², spectrum AM 1.5, ambient temperature 20°C, wind speed 1m/s.

Electrical Parameters(At 10% Bifacial Power Output)

Output Power (Pmax/W)	638	643	649	655	660	665
Open Circuit Voltage (Voc/V)	48.22	48.42	48.62	48.82	49.02	49.22
Short Circuit Current (Isc/A)	16.81	16.85	16.91	16.99	17.04	17.09
Voltage at Maximum Power (Vmp/V)	40.31	40.51	40.72	40.91	41.12	41.33
Current at Maximum Power (Imp/A)	15.83	15.87	15.94	16.01	16.05	16.09

Characteristics(ASP605T-66BDG)





Temperature Characteristics

NMOT	41±3°C
Temp. Coefficient of Voc	-0.25%/°C
Temp. Coefficient of Isc	+0.046%/°C
Temp. Coefficient of Pmax	-0.30%/°C

Maximum Rating

Output Tolerance	0~+5W
Operating Temperature	-40°C~+85°C
Wind Load/Snow Load	2400Pa/5400Pa
Fuse Current	25A

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