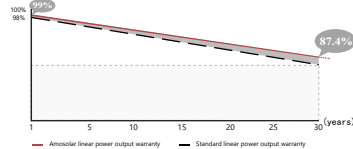


555~580W

AS555-580G12-110

15-Year Warranty for Materials and Processing
30-Year Warranty for Extra Linear Power Output



N-TYPE TOPCON module could increase power generation by 3%+ per watt compared with PERC

LOWER DEGRADATION RATE
First-year $\leq 1\%$, 2-30 year $\leq 0.4\%$

COMPATIBLE with mainstream trackers
effective product for utility power plant

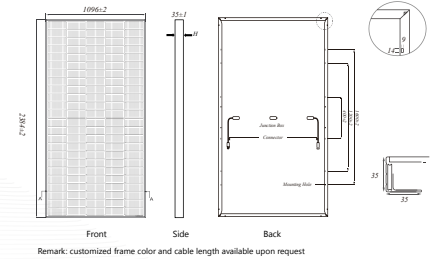
BETTER shading tolerance
Excellent performance under dim light

LOWER Temp. COEFFICIENT
More power generation under high-temperature

555-580W

Monofacial Half-Cell PV Module

Weight
28.6kgs $\pm 3\%$
Cells Type
Mono 210x105mm
Dimension(LxWxT)
2384 ± 2 mmx1096 ± 2 mmx35 ± 1 mm
Packaging
31pcs/pallet, 620pcs/40HQ container



Remark: customized frame color and cable length available upon request

MECHANICAL SPECIFICATION

Cell	N-type TOPCon Mono
No. of cells	110(5x22)
Cable Length	300mm(+)/300mm(-)
Cable Cross Section Size	4mm ² (IEC)
Junction Box	IP68,3 diodes
Connector	MC4 Compatible

OPERATING PARAMETERS

Maximum System Voltage	1500VDC
Operating Temperature	-40 C ~ +85 C
Maximum Series Fuse	30A
Maximum StaticLoad,Front	5400Pa(112lb/ft ²)
Maximum StaticLoad,Back	2400Pa(50lb/ft ²)
Safety Class	Class II

ELECTRICAL CHARACTERISTICS

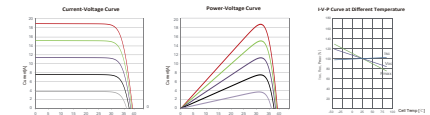
Module Type	STC AM1.5 1000W/m ² 25°C		NOCT AM1.5 800W/m ² 20°C		1m/s Test uncertainty for Pmax $\pm 3\%$	
	STC	NOCT	STC	NOCT	STC	NOCT
AS555G12-110	555	420	560	424	565	428
AS560G12-110	560	424	565	428	570	432
AS570G12-110	570	432	575	436	580	440
AS575G12-110	575	436	580	440	585	444
AS580G12-110	580	440	585	444	590	448
AS585G12-110	585	444	590	448	595	452
AS590G12-110	590	448	595	452	600	456
AS595G12-110	595	452	600	456	605	460
AS600G12-110	600	456	605	460	610	464
AS605G12-110	605	460	610	464	615	468
AS610G12-110	610	464	615	468	620	472
AS615G12-110	615	468	620	472	625	476
AS620G12-110	620	472	625	476	630	480
AS625G12-110	625	476	630	480	635	484
AS630G12-110	630	480	635	484	640	488
AS635G12-110	635	484	640	488	645	492
AS640G12-110	640	488	645	492	650	496
AS645G12-110	645	492	650	496	655	500
AS650G12-110	650	496	655	500	660	504
AS655G12-110	655	500	660	504	665	508
AS660G12-110	660	504	665	508	670	512
AS665G12-110	665	508	670	512	675	516
AS670G12-110	670	512	675	516	680	520
AS675G12-110	675	516	680	520	685	524
AS680G12-110	680	520	685	524	690	528
AS685G12-110	685	524	690	532	695	536
AS690G12-110	690	528	695	540	700	544
AS695G12-110	695	532	700	548	705	552
AS700G12-110	700	536	705	556	710	560
AS705G12-110	705	540	710	564	715	568
AS710G12-110	710	544	715	572	720	576
AS715G12-110	715	548	720	580	725	584
AS720G12-110	720	552	725	588	730	592
AS725G12-110	725	556	730	596	735	600
AS730G12-110	730	560	735	604	740	608
AS735G12-110	735	564	740	612	745	616
AS740G12-110	740	568	745	620	750	624
AS745G12-110	745	572	750	628	755	632
AS750G12-110	750	576	755	636	760	640
AS755G12-110	755	580	760	644	765	648
AS760G12-110	760	584	765	652	770	656
AS765G12-110	765	588	770	660	775	664
AS770G12-110	770	592	775	668	780	672
AS775G12-110	775	596	780	676	785	680
AS780G12-110	780	600	785	684	790	688
AS785G12-110	785	604	790	692	795	696
AS790G12-110	790	608	795	700	800	704
AS795G12-110	795	612	800	708	805	712
AS800G12-110	800	616	805	716	810	720
AS805G12-110	805	620	810	724	815	728
AS810G12-110	810	624	815	732	820	736
AS815G12-110	815	628	820	740	825	744
AS820G12-110	820	632	825	748	830	752
AS825G12-110	825	636	830	756	835	760
AS830G12-110	830	640	835	764	840	768
AS835G12-110	835	644	840	772	845	776
AS840G12-110	840	648	845	780	850	784
AS845G12-110	845	652	850	788	855	792
AS850G12-110	850	656	855	796	860	800
AS855G12-110	855	660	860	804	865	808
AS860G12-110	860	664	865	812	870	816
AS865G12-110	865	668	870	820	875	824
AS870G12-110	870	672	875	828	880	832
AS875G12-110	875	676	880	836	885	840
AS880G12-110	880	680	885	844	890	848
AS885G12-110	885	684	890	852	895	856
AS890G12-110	890	688	895	860	900	864
AS895G12-110	895	692	900	868	905	872
AS900G12-110	900	696	905	876	910	880
AS905G12-110	905	700	910	884	915	888
AS910G12-110	910	704	915	892	920	896
AS915G12-110	915	708	920	900	925	904
AS920G12-110	920	712	925	908	930	912
AS925G12-110	925	716	930	916	935	920
AS930G12-110	930	720	935	924	940	928
AS935G12-110	935	724	940	932	945	936
AS940G12-110	940	728	945	940	950	944
AS945G12-110	945	732	950	948	955	952
AS950G12-110	950	736	955	956	960	960
AS955G12-110	955	740	960	964	965	968
AS960G12-110	960	744	965	972	970	976
AS965G12-110	965	748	970	980	975	984
AS970G12-110	970	752	975	988	980	992
AS975G12-110	975	756	980	996	985	1000
AS980G12-110	980	760	985	1004	990	1008
AS985G12-110	985	764	990	1012	995	1016
AS990G12-110	990	768	995	1020	1000	1024
AS995G12-110	995	772	1000	1028	1005	1032
AS1000G12-110	1000	776	1005	1036	1010	1040

TEMPERATURE RATINGS

Normal Operating Cell Temperature(NOCT)	45 ± 2 C
Temperature Coefficient of Isc	+0.046%/C
Temperature Coefficient of Voc	-0.25%/C
Temperature Coefficient of Pmax	-0.30%/C

*Specs are subject to change without further notification

I-V CURVE (AS555-580G12-110)



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