



182 series

40-300W

Customized Solar Panel

POWER OUTPUT RANGE

40-300W



POWER WARRANTY

30 years



Characteristics



Charging for battery, mobile, lighting, camping, home system, tracking system etc



Guaranteed power output 0-+3%



Manufactured according to International Quality Management System ISO 9001; ISO 14001; ISO 45001



Fully customized solar module



12 Years Warranty For Materials And Processing
30 Years Warranty For Extra Linear Power Output



ETL (UL 61730) and DEKRA (IEC 61215 61730) Certified



Model	Max. Power	Voc (V)	Isc (A)	Vpm (V)	Ipm (A)	Module size(mm)
TN-36-300MG-A	300	42.88	8.86	36.67	8.18	1965*765*35/30/25
TN-18-300MG-A	300	21.44	17.71	18.34	16.36	1965*765*35/30/25
TN-36-260MG-A	260	48.24	6.82	41.26	6.30	1722*765*35/30/25
TN-18-260MG-A	260	24.12	13.64	20.63	12.60	1722*765*35/30/25
TN-36-230MG-A	230	42.88	6.79	36.67	6.27	1530*765*35/30/25
TN-18-230MG-A	230	21.44	13.58	18.34	12.54	1530*765*35/30/25
TN-36-200MG-A	200	45.56	5.56	38.96	5.13	1320*765*35/30/25
TN-18-200MG-A	200	22.78	11.11	19.48	10.27	1320*765*35/30/25
TN-18-190MG-A	190	21.28	11.30	18.24	10.42	1225*765*35/30/25
TN-18-170MG-A	170	21.28	10.11	18.24	9.32	1150*765*35/30/25
TN-18-160MG-A	160	21.98	9.23	18.81	8.51	1400*585*35/30/25
TN-18-140MG-A	140	21.28	7.96	18.98	7.38	1265*585*35/30/25
TN-18-130MG-A	130	24.12	6.82	20.70	6.28	1160*585*35/30/25
TN-18-120MG-A	120	22.11	6.87	18.98	6.32	1065*585*35/30/25
TN-18-115MG-A	115	21.44	6.79	18.40	6.25	1525*395*35/30/25
TN-18-100MG-A	100	22.78	5.56	19.55	5.12	1310*395*35/30/25
TN-18-90MG-A	90	21.44	5.31	18.40	4.89	1240*395*35/30/25
TN-18-80MG-A	80	22.78	4.45	19.55	4.09	1105*395*35/30/25
TN-18-60MG-A	60	22.78	3.33	19.55	3.07	845*395*35/30/25
TN-18-50MG-A	50	21.44	2.95	18.40	2.72	690*395*35/30/25
TN-18-40MG-A	40	20.10	2.55	17.25	2.32	615*395*35/30/25

Mechanical Data

cell size	Mono 182*182mm
Glass	3.2mm high transmission, anti-reflection coating toughened glass
Frame	Anodized aluminum alloy
Junction box	Separated Junction box IP68 1-3 bypass diodes
Connector	Amphenol H4/MC4
Cable	4.0mm ² ,300mm PV cable, length can be customized

Temperature Ratings

Nominal operating cell temperature	45+2°C
Temperature coefficient of Pmax	-0.35%/°C
Temperature coefficients of Voc	-0.27%/°C
Temperature coefficients of Isc	0.048%/°C

Maximum Ratings

Operating temperature	-40°C to +85°C
Maximum system voltage	600V DC (IEC/UL)
Maximum series fuse rating	8-15A
Pass hail test	Diameter 25mm, speed 23m/s

Warranty

12 Years Warranty for Materials And Processing

30 Years Warranty for Extra Linear Power Output

