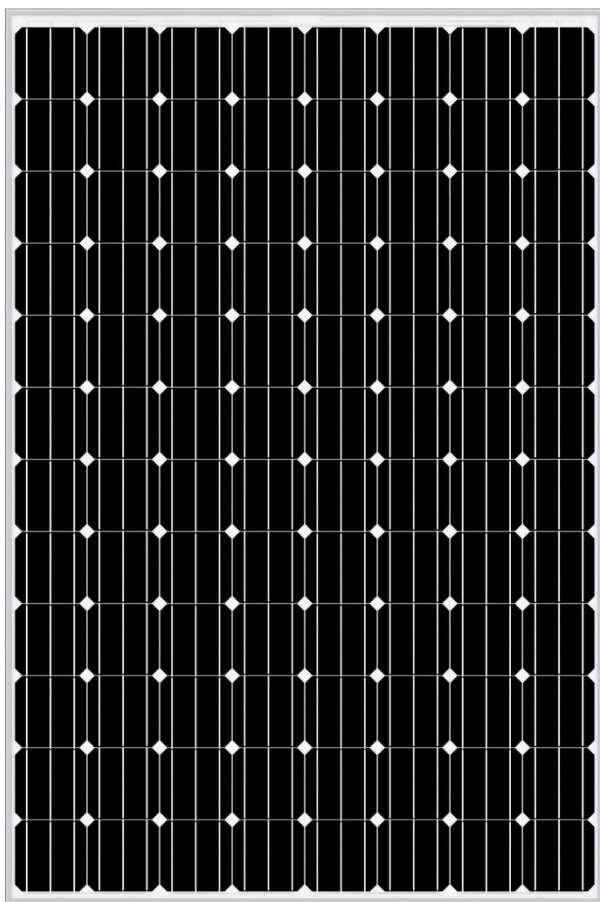


Solar Module-Mono 390~430Wp



		TS-S390	TS-S395	TS-S400	TS-S405	TS-S410	TS-S415	TS-S420	TS-S425	TS-S430
Nominal power [Wp]	P _{mp}	390	395	400	405	410	415	420	425	430
Voltage at nominal power [V]	U _{mp}	49.38	49.53	49.8	50.06	50.32	50.58	50.82	51.05	51.35
Current at nominal power [A]	I _{mp}	7.92	7.98	8.03	8.09	8.15	8.21	8.27	8.32	8.37
Open-circuit voltage [V]	U _{oc}	59.62	59.71	60	60.38	61.06	61.25	61.44	61.63	61.82
Short-circuit current [A]	I _{sc}	8.42	8.49	8.56	8.66	8.77	8.84	8.92	8.99	9.07
Module efficiency level [%]		15.21	15.41	15.60	15.80	16.00	16.19	16.38	16.58	16.77
Output tolerance [%]		±2	±2	±2	±2	±2	±2	±2	±2	±2

Performance under standard test conditions (STC) : 1000W/m², 25°C, AM 1.5

Mechanical load at 5400 Pa/550 kg has been performed.

▪ Mechanical characteristics

Solar cells	96 monocrystalline 6"silicon cells(156x156mm)
Front cover	Low iron tempered glass 4.0mm
Back cover	White polyester
Frame	Silver anodized aluminum
Junction box	Tyco junction box with 4 bypass diodes
Dimensions (HxWxT)	1960 x 1308 x 40 mm
Weight	35.5 kg

▪ Warranty

- » 90% power output over 10 years
- » 80% power output over 25 years

▪ Thermal characteristics

Temperature coefficients of I _{sc}	0.05 %/K
Temperature coefficients of V _{oc}	-0.40 %/K
Temperature coefficients of P _m [%]	0.50 %/K
NOCT	47°C

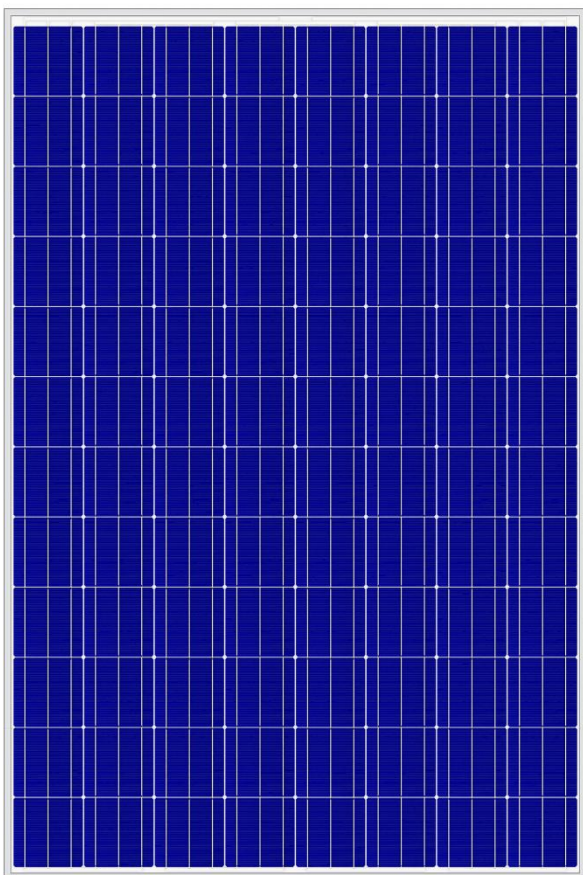
▪ Limits

Operating Temperature	-40°F to +194°F (-40°C to +90°C)
Storage Temperature	-40°F to +194°F (-40°C to +90°C)
Maximum System Voltage	DC 1,000V



IEC 61215 & 61730 by TUV/
C/UL 1703, CEC Listed
ISO 9001, 14001 by AFAQ-EAQA

Solar Module-Poly 360~395Wp



		TS-M360	TS-M365	TS-M370	TS-M375	TS-M380	TS-M385	TS-M390	TS-M395
Nominal power [Wp]	P _{mp}	360	365	370	375	380	385	390	395
Voltage at nominal power [V]	U _{mp}	47.91	48.21	48.49	48.78	49.05	49.33	49.6	49.87
Current at nominal power [A]	I _{mp}	7.51	7.57	7.63	7.69	7.75	7.81	7.86	7.92
Open-circuit voltage [V]	U _{oc}	58.37	58.56	58.75	58.94	59.14	59.42	59.62	59.81
Short-circuit current [A]	I _{sc}	7.92	7.99	8.05	8.12	8.19	8.25	8.32	8.39
Module efficiency level [%]		14.04	14.24	14.43	14.63	14.82	15.02	15.21	15.41
Output tolerance [%]		±2	±2	±2	±2	±2	±2	±2	±2

Performance under standard test conditions (STC) : 1000W/m², 25°C, AM 1.5
Mechanical load at 5400 Pa/550 kg has been performed.

▪ Mechanical characteristics

Solar cells	96 Polycrystalline 6"silicon cells(156x156mm)
Front cover	Low iron tempered glass 4.0mm
Back cover	White polyester
Frame	Silver anodized aluminum
Junction box	Tyco junction box with 4 bypass diodes
Dimensions (HxWxT)	1960 x 1308 x 40 mm
Weight	35.5 kg

▪ Warranty

- » 90% power output over 10 years
- » 80% power output over 25 years

▪ Thermal characteristics

Temperature coefficients of I _{sc}	0.05 %/K
Temperature coefficients of V _{oc}	-0.40 %/K
Temperature coefficients of P _m [%]	0.50 %/K
NOCT	47°C

▪ Limits

Operating Temperature	-40°F to +194°F (-40°C to +90°C)
Storage Temperature	-40°F to +194°F (-40°C to +90°C)
Maximum System Voltage	DC 1,000V

