## MONO CRYSTALLINE





\* MECHANICAL CHARACTERISTICS

Solar cells 96PCS of 6"mono-crystalline

Front cover Low iron tempered glass 4.0mm (0.157in)

Back cover White polyester

Silver anodized aluminum alloy (40mm) Frame

Cable and Connectors 12 AWG(4mm²) cables with polarized weatherproof

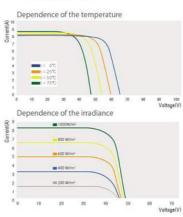
connectors, cable length 1.25m (49.21in.)

Junction box NEMA IP67 rated; 4 internal bypass diodes Dimensions 1960 (77.16in.) X 1308 (51.50in.) X 40mm (1.57in.)

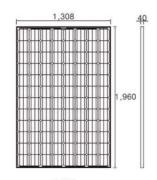
Approximate Weight 35kg(77.16lbs)

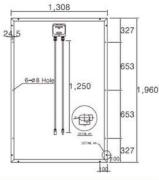
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## \* TECHNICAL DRAWINGS





## \* ELECTRICAL SPECIFICATION

	TS-S415	TS-S420	TS-S425	TS-S430	TS-S435	TS-S440	TS-S445	TS-S450
Nominal power[Wp] - Pmpp	415	420	425	430	435	440	445	450
Voltage at nominal power[V] - Vmpp	48.49	48.73	49.02	49.2	49.44	49.67	49.95	50.21
Current at nominal power[A] - Impp	8.56	8.62	8.67	8.74	8.8	8.86	8.91	8.97
Open-circuit voltage[V] - Voc	60.45	60.65	60.97	61.29	61.58	61.97	62.27	62.48
Short-circuit current[A] - Isc	9.04	9.12	9.18	9.24	9.3	9.35	9.41	9.47
Module efficiency level[%]	16.2%	16.4%	16.6%	16.8%	17.0%	17.2%	17.4%	17.6%

Performance under standard test conditions (STC): 1000W/m², 25°C, AM 1.5 / Output tolerance[%] 0~+3%