

MSMDxxxAS-60

ELECTRICAL CHARACTERISTICS

STC	320	325	330	335	340	345
Maximum Power at STC (Pmax)	320 W	325 W	330 W	335 W	340 W	345 W
Optimum Operating Voltage (Vmp)	34.3 V	34.5 V	34.7 V	34.9 V	35.1 V	35.3 V
Optimum Operating Current (Imp)	9.33 A	9.43 A	9.52 A	9.60 A	9.68 A	9.78 A
Open Circuit Voltage (Voc)	40.2 V	40.05 V	40.7 V	40.9 V	41.1 V	41.3 V
Short Circuit Current (Isc)	9.33 A	10.04 A	10.13 A	10.21 A	10.29 A	10.37 A
0'S4	19.0%	19.2 %	19.5%	19.8%	20.1%	20.4%
Operating Module Temperature	-40 °C to +85 °C					
Maximum System Voltage	1000/1500 V DC (IEC)					
Maximum Series Fuse Rating	20 A					
Power Tolerance	0/+5W					

STC: Irradiance 1000 W/m², module temperature 25 °C, AM=1.5; Tolerances of Pmax, Voc and Isc are all within +/- 5%.

NMOT	325	330	335	340	345
Maximum Power at NMOT (Pmax)	244.9 W	248.6 W	252.1 W	255.5 W	259.3 W
Optimum Operating Voltage (Vmp)	31.7 V	31.9 V	32.1 V	32.3 V	32.5 V
Optimum Operating Current (Imp)	7.72 A	7.79 A	7.85 A	7.92 A	7.98 A
Open Circuit Voltage (Voc)	37.9 V	38.1 V	38.3 V	38.5 V	38.7 V
Short Circuit Current (Isc)	8.11 A	8.18 A	8.24 A	8.31 A	8.37 A

NMOT: Irradiance 800 W/m², ambient temperature 20 °C, AM=1.5, wind speed 1 m/s.

TEMPERATURE CHARACTERISTICS

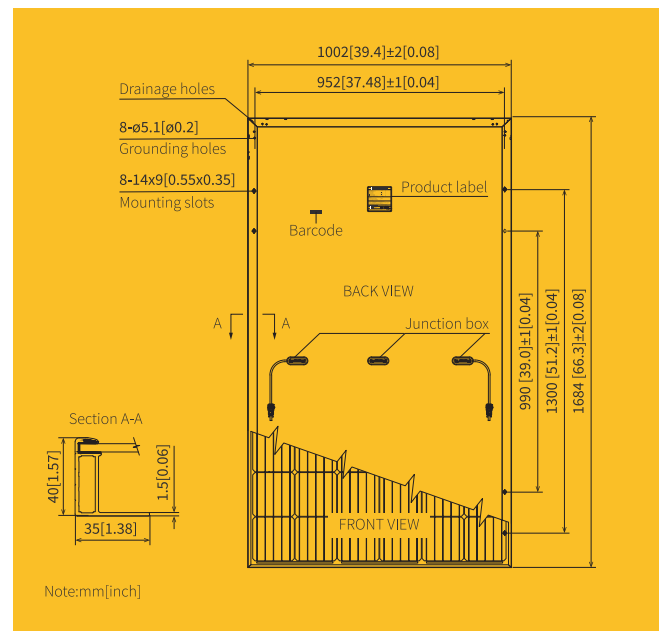
Nominal Module Operating Temperature (NMOT)	42±2°C
(+ /-0- Δ / Δ)	-0.37 %/°C
(+ /-0- Δ / Δ)	-0.304 %/°C
(+ /-0- Δ / Δ)	0.050 %/°C

MECHANICAL CHARACTERISTICS

Solar Cell	Monocrystalline 158.75 mm
No. of Cells	120 (6 × 20)
Dimensions	1684 × 1002 × 40 mm
Weight	19.0 kgs
Front Glass	3.2 mm tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68 rated (3 bypass diodes)
Output Cables	4.0 mm ² , symmetrical lengths (-) 1200 mm and (+) 1200 mm
Connectors	MC4 compatible (1000V)

PACKING CONFIGURATION

Container	20' GP	40' HC
Pieces per pallet	30	28
Pallets per container	12	26
Pieces per container	360	728



Current-Voltage & Power-Voltage Curve (345S)

