

MONOCRYSTALLINE 54-CELL SERIES

ELECTRICAL PERFORMANCE

Module type	250-54				
Power output	P_{max}	W	245	250	255
Power output tolerances	ΔP_{max}	%	0 - 3		
Voltage at Pmax	V_{mpp}	V	28.53	28.67	28.82
Current at Pmax	I_{mpp}	A	8.59	8.72	8.85
Open-circuit voltage	V_{oc}	V	34.63	34.71	34.82
Short-circuit current	I_{sc}	A	9.07	9.20	9.27

STC: 1000W/m² irradiance, 25°C cell temperature, AM 1.5g spectrum according to EN 60904-3.

THERMAL CHARACTERISTICS

Nominal operating cell temperature	NOCT	°C	45±2
Temperature coefficient of Pmax	μ	%/°C	-0.459
Temperature coefficient of Voc	β_{Voc}	%/°C	-0.31
Temperature coefficient of Isc	α_{Isc}	%/°C	0.03
Temperature coefficient of Vmpp	β_{Vmpp}	%/°C	-0.40

OPERATING CONDITIONS

Max. system voltage	1000V _{DC}
Limiting reverse current	15A
Operating temperature range	-40°C to 85°C
Max. static load front (e.g., snow)	5400Pa
Max. static load back (e.g., wind)	2400Pa
Max. hailstone impact (diameter / velocity)	25mm / 23m/s

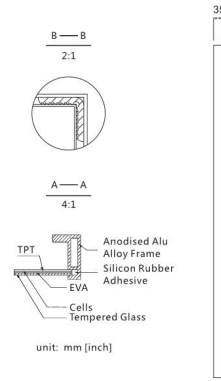
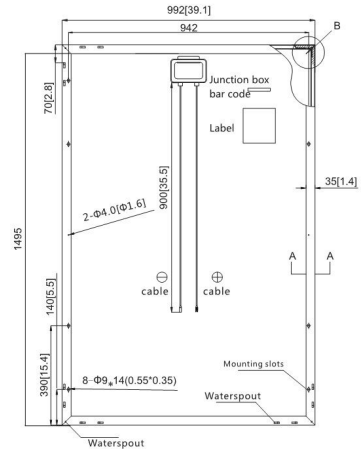
MECHANICAL CHARACTERISTICS

Front cover (material / thickness)	low-iron tempered glass / 3.2mm
Backsheet (color)	white / black
Cell (quantity / material / dimensions)	54 / monocrystalline silicon / 156 x 156mm
Frame (material / color)	anodized aluminum alloy / silver
Junction box (protection degree)	≥IP65
Cables & Plug connectors	900mm / 4mm ² & MC4 compatible / IP67
Module Dimensions (L / W / H)	1482mm x 992mm x 35mm
Module Weight	16kg

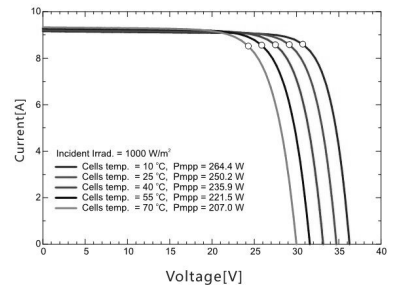
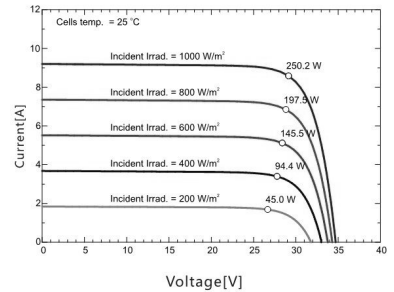
PACKING DETAILS

Container	20'GP	40'HQ
Pieces per pallet	/	/
Pallets per container	7	15
Pieces per container	320	778

Module Diagram:



Electrical Curves:



QUALIFICATIONS & CERTIFICATIONS

IEC 61215, IEC 61730, CE, IEC 62804 (PID Free), UL 1703, J-PEC, PV CYCLE, IEC/EN 61701, IEC 62716

