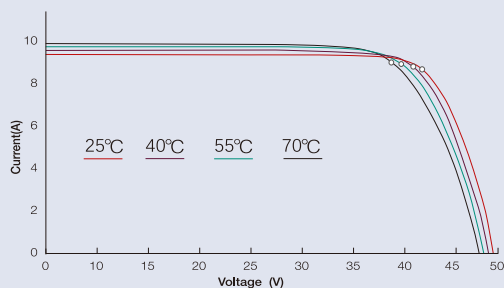
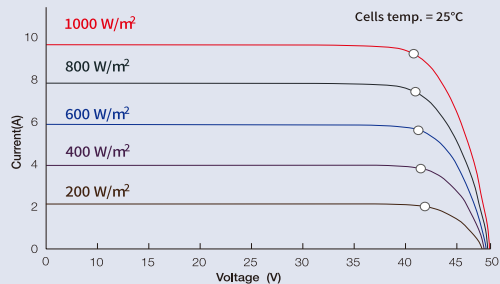
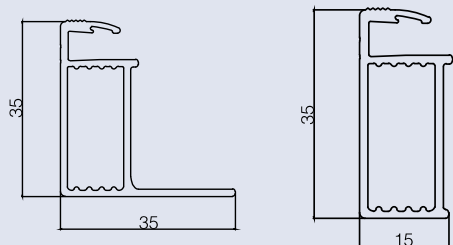
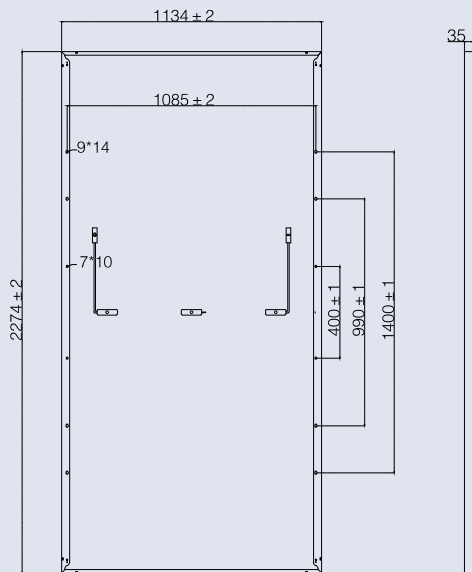




PERLIGHT
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Electrical Characteristics (STC*)

Maximum Power at STC (Pmp)	530	535	540	545	550
Maximum Power Voltage (Vmp)	41.31	41.51	41.67	41.83	41.99
Maximum Power Current (Imp)	12.83	12.89	12.96	13.03	13.10
Open Circuit Voltage (Voc)	49.16	49.36	49.52	49.68	49.84
Short Circuit Current (Isc)	13.72	13.77	13.84	13.91	13.96
Module Efficiency at STC (nm)	20.6%	20.7%	20.9%	21.1%	21.3%

STC: 1000W/m² irradiance, 25°C cell temperature, AM 1.5g spectrum.
Power tolerance: ± 5%

Electrical Characteristics (NMOT*)

Maximum Power at STC (Pmp)	390	393	397	401	404
Maximum Power Voltage (Vmp)	38.01	38.12	38.28	38.48	38.55
Maximum Power Current (Imp)	10.26	10.31	10.37	10.42	10.48
Open Circuit Voltage (Voc)	45.47	45.66	45.81	45.95	46.10
Short Circuit Current (Isc)	11.06	10.10	11.16	11.21	11.27

NOCT: 800W/m² irradiance, 20°C environment temperature, 1m/s wind speed.

Mechanical Specifications

Solar Cells	PERC Mono crystalline 182×91mm
External Dimensions	2274×1135×35mm(L×W×H)
Front Glass	3.2mm AR coating tempered glass, low iron
Weight	27.4Kg
Output Cable	4.0 mm ² , cable length 1100mm
Connector	MC4 Compatible
Junction Box	IP 68, 3 diodes
Frame	Anodized aluminium alloy

Temperature Characteristics

Isc Temperature Coefficient	+0.048%/°C
Voc Temperature Coefficient	-0.28%/°C
Pmax Temperature Coefficient	-0.35%/°C
Nominal Operating Cell Temperature (NOCT)	43±2°C

Operating Characteristics

Max. system voltage	DC1500V
Limiting reverse current	25A
Operating temperature range	-40°C~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

Package

Container	40'HQ
Pieces Per Big Pallet	62
Big Pallets Per Container	10
Pieces Per Container	620