

VCS-108H-XXX-P

Electrical performance parameters	VCS-108H-390-P	VCS-108H-395-P	VCS-108H-400-P	VCS-108H-405-P	VCS-108H-410-P	VCS-108H-415P
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Component performance under STC standard (tolerance: 0~+5W)

Maximum rated power (W)	390	395	400	405	410	415
Maximum power voltage (V)	30.64	30.84	31.01	31.21	31.45	31.61
Maximum power current (A)	12.73	12.81	12.90	12.98	13.04	13.13
Open circuit voltage (V)	36.85	36.98	37.07	37.23	37.32	37.45
Short circuit current (A)	13.61	13.70	13.79	13.87	13.95	14.02
Component efficiency (%)	19.97	20.22	20.48	20.74	20.99	21.25

Component performance under the NOCT standard

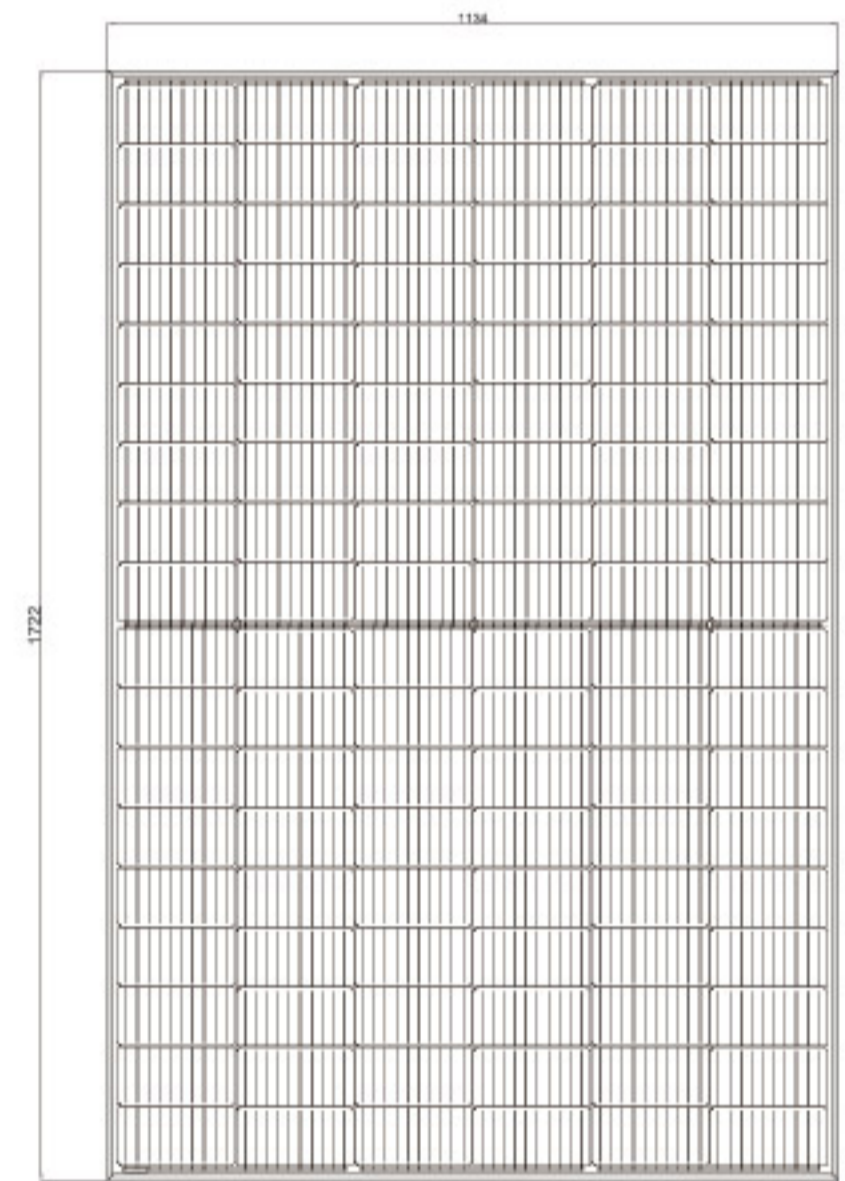
Maximum rated power (W)	294	298	302	306	310	314
Maximum power voltage (V)	28.87	29.08	29.26	29.47	29.72	29.89
Maximum power current (A)	10.18	10.25	10.32	10.38	10.43	10.50
Open circuit voltage (V)	34.62	34.75	34.88	35.12	35.23	35.37
Short circuit current (A)	10.89	10.96	11.03	11.10	11.16	11.22

Temperature Characteristic

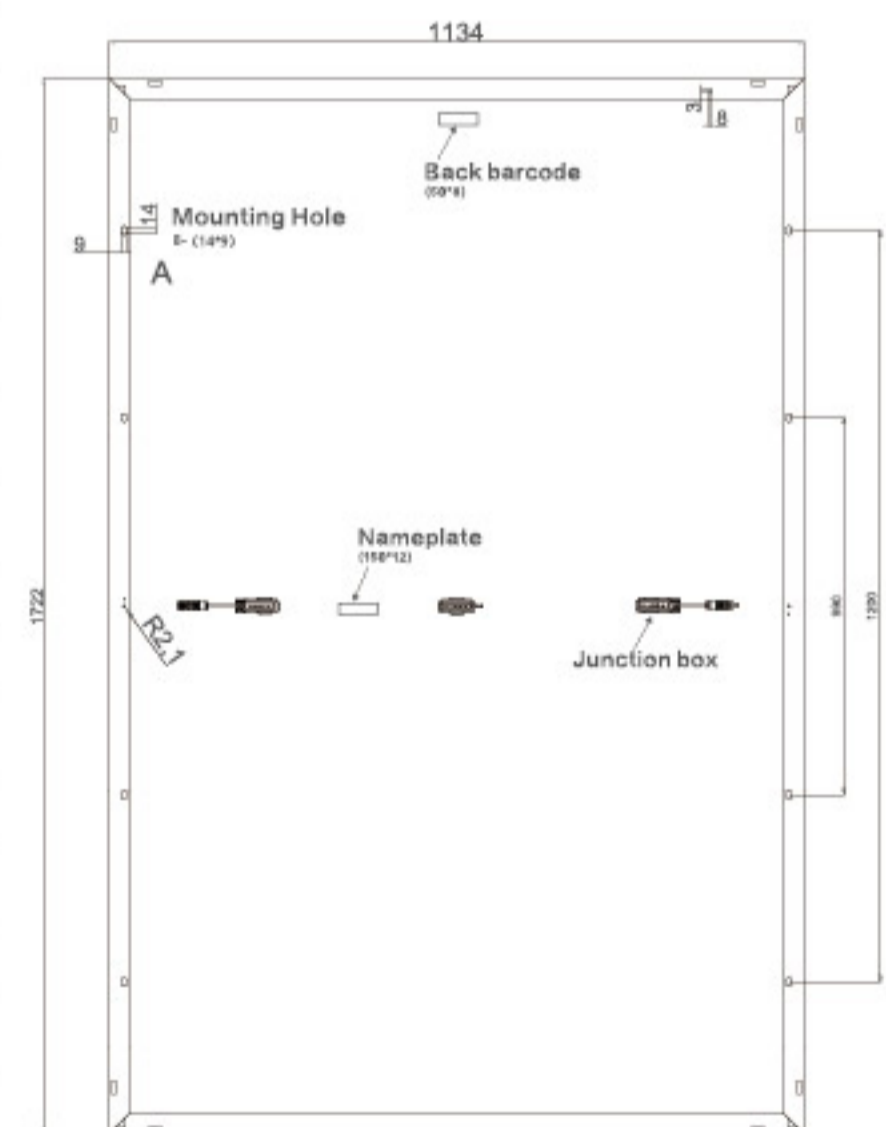
Maximum power temperature coefficient (Pmax)	-0.34%/°C
Open circuit voltage temperature coefficient (Voc)	-0.26%/°C
Short circuit voltage temperature coefficient (Isc)	-0.05%/°C
Working temperature	-40~ + 85°C
Rated operating cell temperature (NMOT)	42±2°C

STC (standard test environment): irradiance 1000W/ m² , battery temperature 25 °C ,spectral AM1.5, NOCT (nominal operating temperature of the module) irradiance800W/m², ambient temperature 20 °C, spectral AM1.5, wind speed 1m/s;

Technical drawings



Front View



Rear View

Mechanical behavior

Specifications	Single crystal silicon182X182mm
Battery arrangement	Single crystal 108 [2X (9X6)]
Component dimensions	1722X 1134 X 30mm
Component weight	21kg
Component panel	3.2mm tempered coated glass
Component Border	Anodic oxygen film aluminum alloy
Junction box	IP68, 3 Diodes
Wireway	4.0 square millimeters (IEC)
Wire length (including connectors)	300mm, wire length can be customized
Connector	KSW-CN01

Working conditions

Maximum system voltage	1000V/1500V/DC(IEC)
Fusing current	25A
Static load	Snow load: 5400Pa/Wind load: 2400Pa
Grounding resistance	≤ 0.1Ω
Safety level	II
Insulation resistance	≥ 100M Ω

Packaging Information

Container size	40HQ
Sheet/Tray	36
Pallets/Containers	26
Pieces/Container	936
Package size	1740*1120*1235mm
Package weight	770kg

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