

# VCS-156H-XXX-P

Electrical performance parameters	VCS-156H-575-P	VCS-156H-580-P	VCS-156H-585-P	VCS-156H-590-P	VCS-156H-595-P	VCS-156H-600-P
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## Component performance under STC standard (tolerance: 0~+5W)

Maximum rated power (W)	575	580	585	590	595	600
Maximum power voltage (V)	44.20	44.35	44.56	44.80	45.05	45.30
Maximum power current (A)	13.01	13.08	13.13	13.17	13.21	13.25
Open circuit voltage (V)	53.44	53.11	53.20	53.33	53.40	53.50
Short circuit current (A)	13.72	13.84	13.88	13.93	13.98	14.03
Component efficiency (%)	20.57	20.75	20.93	21.11	21.29	21.46

## Component performance under the NOCT standard

Maximum rated power (W)	428	432	436	440	444	448
Maximum power voltage (V)	41.08	41.91	42.11	42.23	42.37	42.47
Maximum power current (A)	10.24	10.31	10.36	10.42	10.48	10.55
Open circuit voltage (V)	50.30	50.40	50.60	50.70	50.80	50.90
Short circuit current (A)	11.06	11.12	11.17	11.23	11.28	11.34

## 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/ m<sup>2</sup>, battery temperature 25 °C, spectral AM1.5, NOCT (nominal operating temperature of the module) irradiance 800W/ m<sup>2</sup>, ambient temperature 20 °C, spectral AM1.5, wind speed 1m/s;

## Mechanical behavior

Specifications	Single crystal silicon 182X182mm
Battery arrangement	Single crystal 156 [2X (6X13)]
Component dimensions	2465 X 1134 X 35mm
Component weight	31.5kg
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

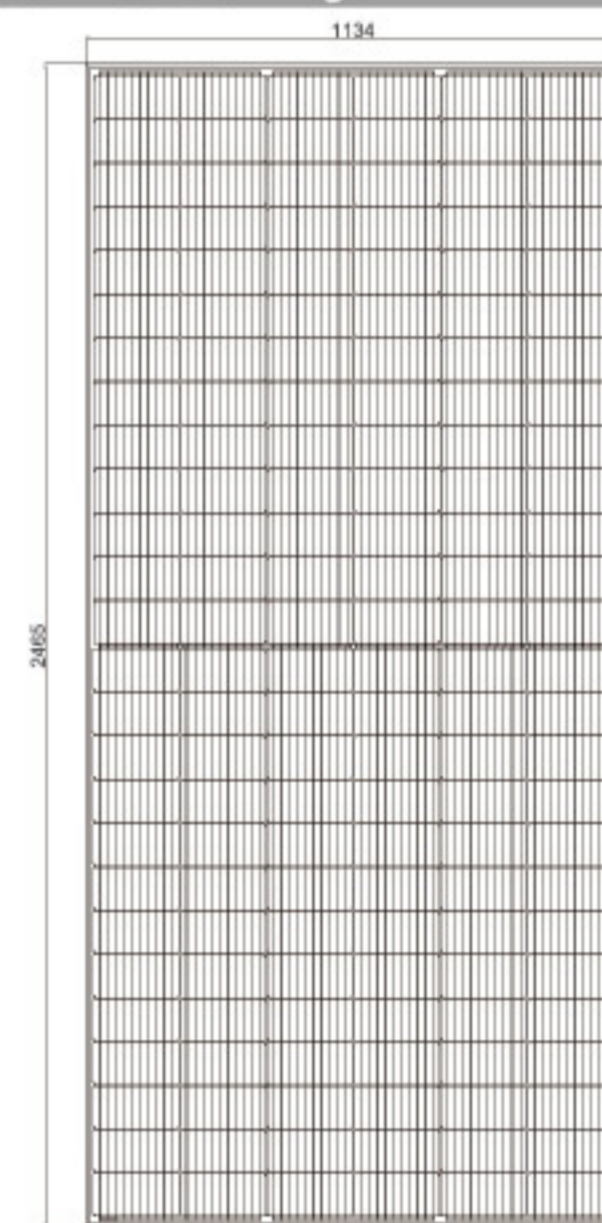
## Working conditions

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

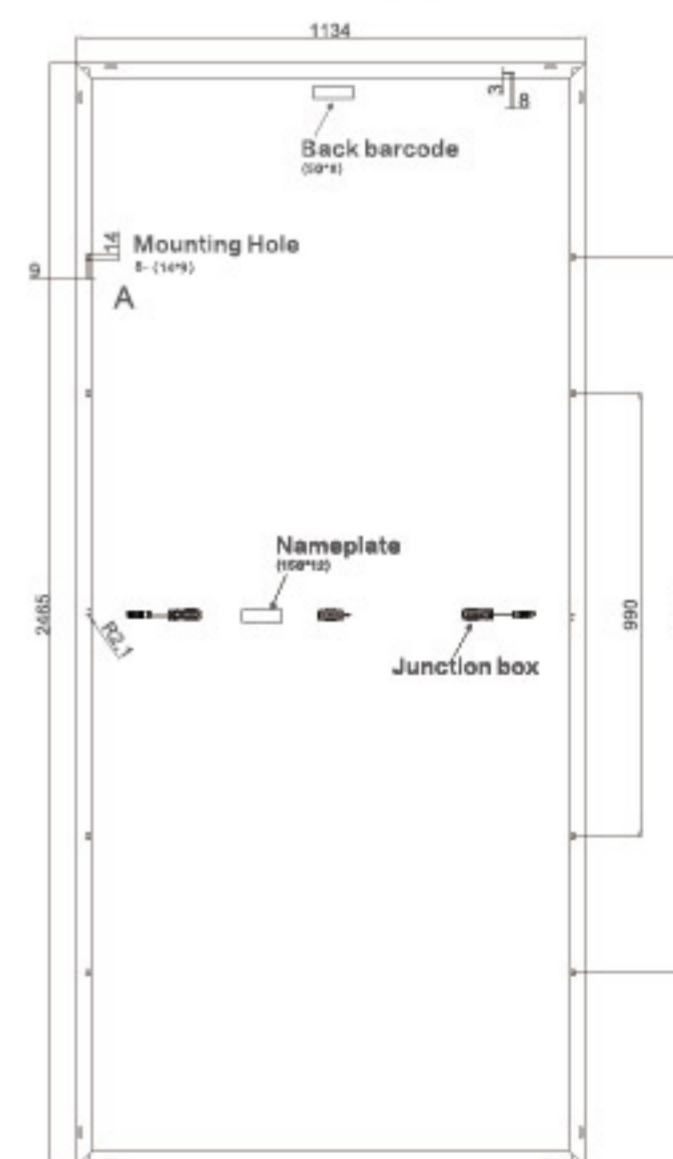
## Packaging Information

Container size	40HQ
Sheet/Tray	31
Pallets/Containers	16
Pieces/Container	496
Package size	2497*1120*1235mm
Package weight	1030kg

## Technical drawings



Front View



Rear View

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