

TANGO Series 1 / 108 cell
390W - 405W
Monocrystalline PV Module
Monofacial

The TANGO module uses Convalt's state-of-the-art cell cutting technology, and advanced module manufacturing experiences



Key Features



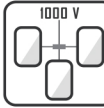
Positive power tolerance
+0 ~ +5 watt



100% EL inline inspection
Better module reliability



Withstands heavy loading
front load 5400 Pa & rear load 2400 Pa



Designated for 1000 VDC
Reduces the Balance of System effectively



Excellent low light performance
3.5% relative eff. reduction at low light
(200W/m²)



Self-cleaning effect



Salt mist resistance certified



Fire class A certified



Dust & Sand resistance



Ammonia resistance



Applicable to UL 61730-1:19 qualification
Applicable to UL 61730-2:19 qualification
Revision date: 2020-04-30





Electrical Data

Model - STC		CVLT390-108M-BB	CVLT395-108M-BB	CVLT400-108M-BB	CVLT405-108M-BB
Maximum Rating Power (Pmax)	[W]	390	395	400	405
Module Efficiency	[%]	19.98	20.23	20.49	20.75
Open Circuit Voltage (Voc)	[V]	36.84	37.03	37.20	37.36
Maximum Power Voltage	[V]	30.82	31.00	31.17	31.36
Short Circuit Current (Isc)	[A]	13.50	13.59	13.68	13.78
Maximum Power Current	[A]	12.66	12.75	12.84	12.92

*Standard Test Condition (STC): Cell Temperature 25°C, Irradiance 1000 W/m², AM 1.5
 *Values without tolerance are typical numbers. Measurement tolerance: ± 3%

Mechanical Data

Item	Specification
Dimensions	1723 mm (L) ¹ x 1133 mm (W) ¹ x 35 mm (D) ² / 67.83" (L) ¹ x 44.61" (W) ¹ x 1.38" (D) ²
Weight	21.7 kg / 47.84 lbs
Solar Cell	12x9 pieces monocrystalline solar cells series strings
Front Glass	White toughened safety glass, 3.2mm thickness
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)
Frame	Black anodized aluminum profile
Junction Box	IP≥ 68, 3 diodes
Cable & Connector	Potrait : 500 mm (cable length can be customized), 1 x 4 mm ² compatible with MC4
Package Configuration	31 pcs per Pallet, 806 pcs per 40' HQ container

¹ : With assembly tolerance of ± 2 mm [± 0.08in]
² : With assembly tolerance of ± 0.8 mm [± 0.03in]

Operating Conditions

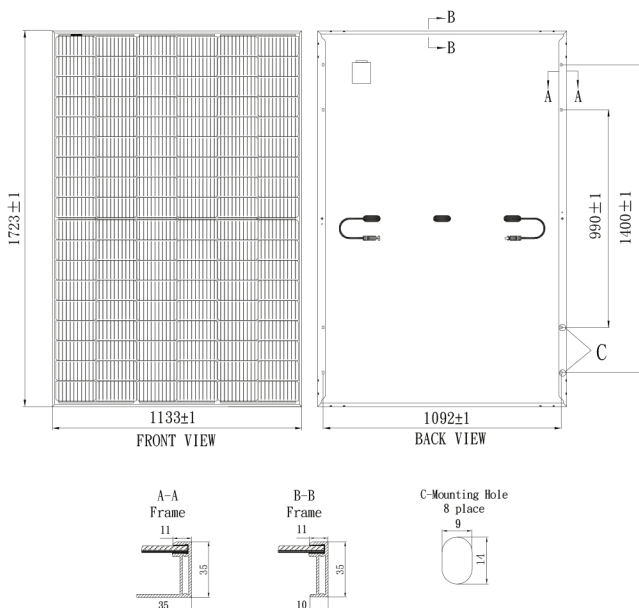
Item	Specification
Mechanical Load	5400 Pa
Maximum System Voltage	1000V
Series Fuse Rating	30 A
Operating Temperature	-40 to 85 °C

Temperature Characteristics

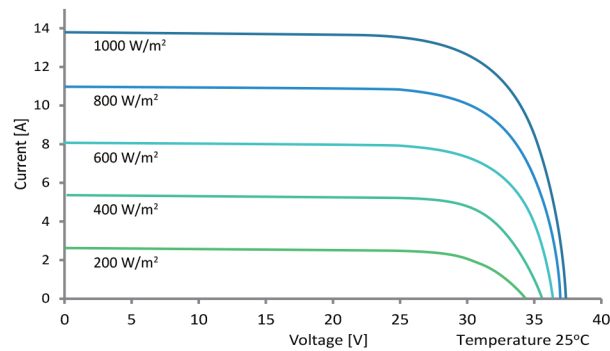
Item	Specification
Nominal Module Operating Temperature	45°C ± 2°C
Temperature Coefficient of Isc	0.048 % / °C
Temperature Coefficient of Voc	-0.27 % / °C
Temperature Coefficient of Pmax	-0.32 % / °C

*Nominal module operating temperature (NMOT): Air mass AM 1.5, irradiance 800W/m², temperature 20°C, windspeed 1 m/s.
 *Reduction in efficiency from 1000W/m² to 200W/m² at 25°C: 3.5 ± 2%.

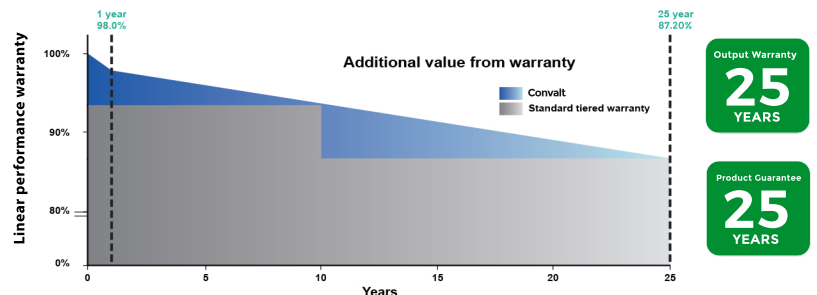
Engineering Drawing (mm)



Dependence on Irradiance



Reliability with Warranty



For more information, please visit www.convault.com