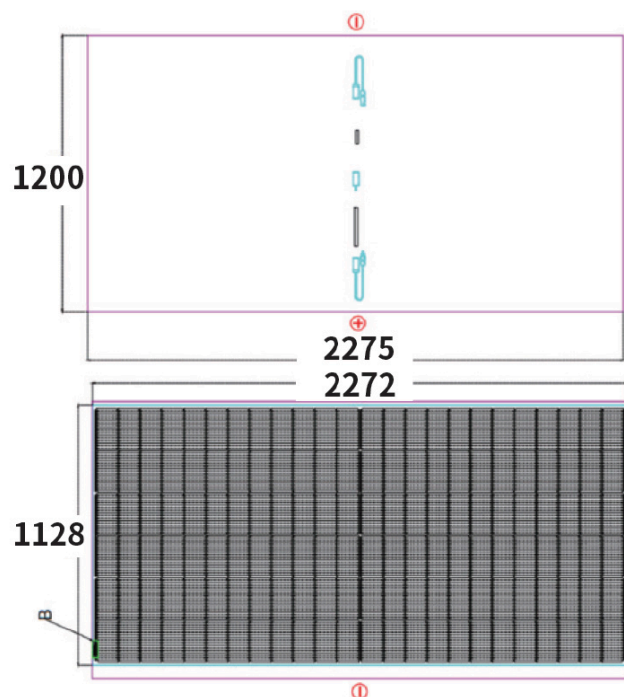
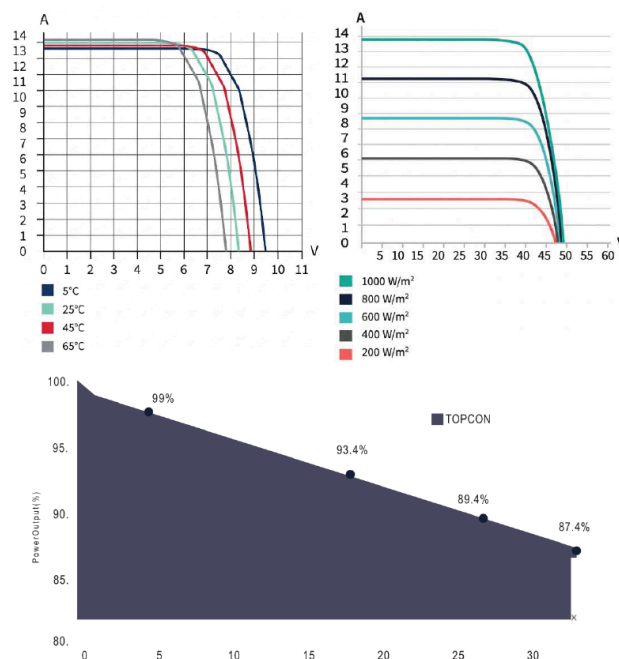


CPV-RF-144-XXXN (XXX=590~600)

Dimensional Drawing (±5mm tolerance)



IV Curve & Linear Performance Warranty



Mechanical Specs

Model Numbers	CPV-RF-144-590N CPV-RF-144-595N CPV-RF-144-600N
Dimensions (±5mm)	2272 x 1200mm
Thickness (±0.5mm)	3.9mm
Gross Weight (±1kg)	28Kg
Glass Size	2272 x 1128mm
Junction box	IP68, 3 bypass diodes
Connector	Changshu Friends Connector Technology Co., Ltd PV5e/PV3e Staubli Electrical Connectors AG PV-KST4/xy_UR, PV-KBT4/xy_UR PV-KST4-EVO 2/xy_UR, PV-KBT4-EVO 2/xy_EU
Cell Type	Mono-crystalline silicon, TOPCon
Cell Arrangement	144
Front Glass	2.0mm AR-coated heat-strength- ened glass
Backsheet	0.5mm high-strength Alu-Zinc steel sheet
Per 40ft HC container	690 pcs
Per pallet	23 pcs

Electrical Specs

Power Sorting	0-5W
Test Conditions	STC*
Max Power (Pmax/W with tolerance ±3%)	590/595/600
Open circuit voltage (Voc/V ±3%)	53.52/53.72/53.92
Short circuit current (Isc/A ±3%)	14.22/ 14.28/ 14.34
Voltage at max power (Vmp/V)	42.97/43.12/43.26V
Current at max power (Imp/A)	13.73/ 13.80/ 13.87
Module efficiency (%)	23.02%/ 23.2%/ 23.4%

*Standard Test Conditions (STC): Irradiance=1000W/m², Cell Temperature=25°C, AM=1.5 *Test Tolerance (±3.0%)

Operating Specs

Max. system voltage	1000V
Max. Fuse Rating	25A
Max static test load front/snow load	+5400Pa
Max static test load back/wind load	-3600Pa
Hail test passed	25mm dia, 23m/s impact speed

*Clamps not recommended for installation

Temp Coefficient (STC)

Operation temperature	T98max=70 degree
Temp. Coeff. (Pmax)	-0.29%/°C
Temp. Coeff. (Voc)	-0.25%/°C
Temp. Coeff. (Isc)	0.045%/°C
NMOT	41±3°C

*Operating temperature in accordance with requirements of IEC 61215-1 for photovoltaic (PV) modules

Certificate Holder: ClearVue Technologies Ltd.
Unit 9, 567 Newcastle St., West Perth WA 6005. AUSTRALIA
hello@clearvuepv.com

Made in China

Warranty:

Product Warranty: 15-years
Linear Performance
Warranty: 30-years

Fire Rating:

Class A according to
IEC61730 and UL790

