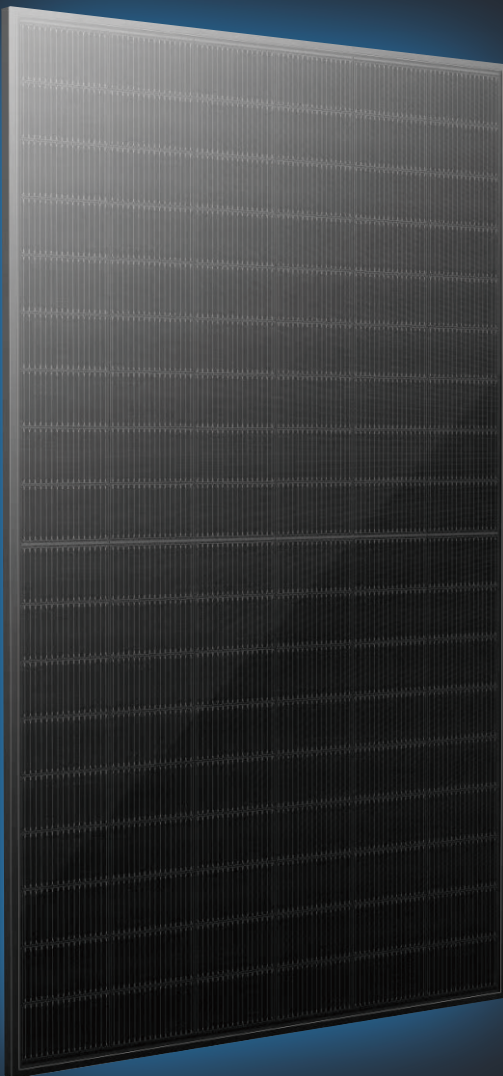


Full-black Aesthetic

n-type TOPCon Dual Glass Module



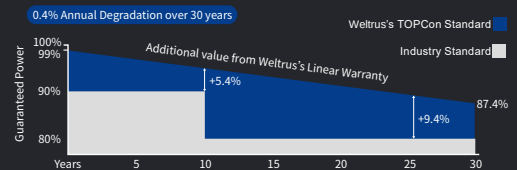
FX108-9-415-435NDGB

KEY FEATURES

-  Full-black design with aesthetic appearance
-  Perfect for residential scenario application
-  Excellent power generation
-  Excellent anti-LID & anti-PID performance
-  Excellent temperature coefficient (Pmax): -0.29%/°C
-  Excellent weak-light performance
-  Excellent warranty assurance

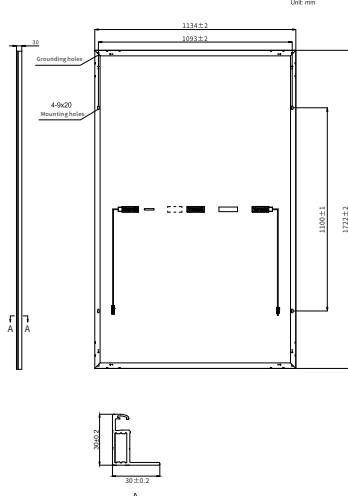
LINEAR PERFORMANCE WARRANTY

25 years Product Warranty / 30 years Linear Power Warranty



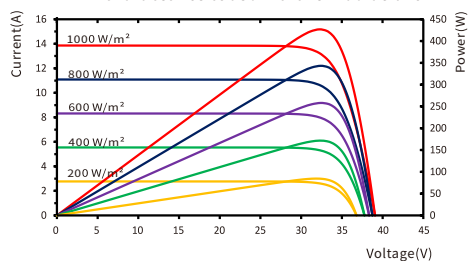
The module picture is for reference only

Dimensions of PV Module

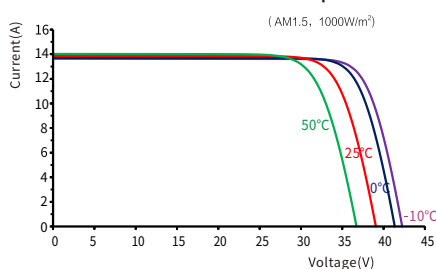


FX108-9-425NDGB

I-V characteristics at different irradiances



I-V characteristics at different temperatures



PACKAGING CONFIGURATION

	40ft(HQ)	20ft
Number of modules per container	936	216
Number of modules per pallet	36	36
Number of pallets per container	26	6
Packaging box dimensions (LxWxH) in mm	1745×1110×1260	
Box gross weight[kg]	780	

ELECTRICAL DATA (STC)

Model Type	FX108-9-415-435NDGB				
Rated Power in Watts-Pmax(Wp)	415	420	425	430	435
Open Circuit Voltage-Voc(V)	38.67	38.87	39.07	39.26	39.46
Short Circuit Current-Isc(A)	13.69	13.78	13.86	13.94	14.01
Maximum Power Voltage-Vmpp(V)	32.39	32.59	32.78	32.98	33.18
Maximum Power Current-Impp(A)	12.83	12.91	12.99	13.06	13.12
Module Efficiency (%) ★	21.3	21.5	21.8	22.0	22.3

STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3.

★ Module Efficiency (%): Round-off to the nearest number

ELECTRICAL DATA (NMOT)

Model Type	FX108-9-415-435NDGB				
Maximum Power-Pmax (Wp)	314.8	318.6	322.4	326.2	329.6
Open Circuit Voltage-Voc (V)	35.96	36.15	36.34	36.51	36.70
Short Circuit Current-Isc (A)	11.23	11.30	11.36	11.43	11.49
Maximum Power Voltage-Vmpp (V)	30.06	30.24	30.42	30.61	30.79
Maximum Power Current-Impp (A)	10.47	10.54	10.60	10.65	10.71

NMOT: Irradiance at 800 W/m², Ambient Temperature 20°C, Wind Speed 1 m/s.

MECHANICAL DATA

Solar cells	<i>n</i> -type TOPCon
Cell configuration	108 cells (6×9+6×9)
Module dimensions	1722×1134×30mm
Weight	20.5kg
Superstrate	High Transmission, Low Iron, AR Coated Heat Strengthened Glass
Substrate	Heat Strengthened Glass
Frame	Anodized Aluminium Alloy, Black
J-Box	Potted, IP68, 1500VDC, 3 Schottky by pass diodes
Cables	4.0mm ² , Positive(+)1200mm, Negative(-)1200mm (Connector Included), or customized length
Connector	Risen Twinsel PV-SY02, IP68

TEMPERATURE & MAXIMUM RATINGS

Nominal Module Operating Temperature (NMOT)	44°C±2°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	0.046%/°C
Temperature Coefficient of Pmax	-0.29%/°C
Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Max Series Fuse Rating	30A
Limiting Reverse Current	30A