

HIGH PERFORMANCE MONOCRYSTALLINE PERC MODULE



FCP110-8-535M-560M

110 CELL Mono PERC Module	535-560Wp Power Output Range
1500VDC Maximum System Voltage	21.4% Maximum Efficiency

KEY SALIENT FEATURES

- Industry leading lowest thermal co-efficient of power
- Industry leading 12 years product warranty
- Excellent low irradiance performance
- Excellent PID resistance
- Positive power tolerance of 0~+3%
- Dual stage 100% EL Inspection warranting defect-free product
- Module Imp binning radically reduces string mismatch losses
- Excellent wind load 2400Pa & snow load 5400Pa under certain installation method
- Comprehensive product and system certification
 - ◆ IEC61215:2016; IEC61730-1/-2:2016;
 - ◆ ISO 9001:2015 Quality Management System
 - ◆ ISO 14001:2015 Environmental Management System
 - ◆ ISO 45001:2018 Occupational Health and Safety Management System



* As there are different certification requirements in different markets, please contact your local Fortune CP sales representative for the specific certificates applicable to the products in the region in which the products are to be used.

FORTUNE CP

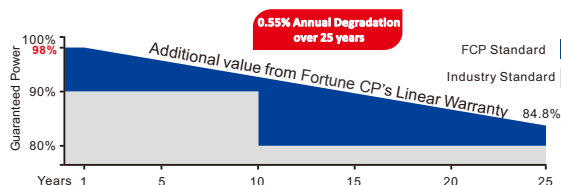
Fortune CP is a leading EPC company and supplier of high-performance solar photovoltaic products and provider of total business solutions for residential, commercial and utility-scale power generation. The company, founded in 2004, has supplied goods and carried out projects in over 40 countries in Europe, Africa, Asia and North + South America.

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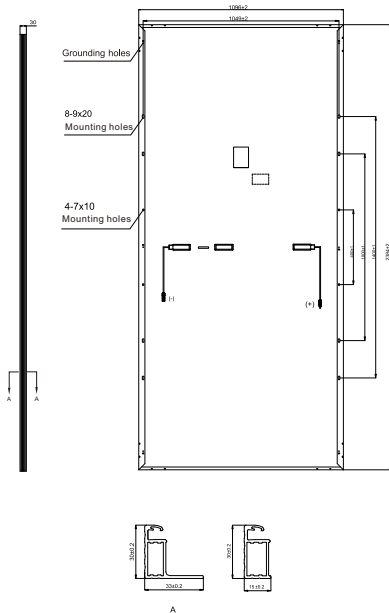
LINEAR PERFORMANCE WARRANTY

12 year Product Warranty / 25 year Linear Power Warranty



★ Please check the valid version of Limited Product Warranty which is officially released by Fortune CP Ltd

Dimensions of PV Module Unit: mm



ELECTRICAL DATA (STC)

Model Number	FC110-8-535M	FC110-8-540M	FC110-8-545M	FC110-8-550M	FC110-8-555M	FC110-8-560M
Rated Power in Watts-Pmax(Wp)	535	540	545	550	555	560
Open Circuit Voltage-Voc(V)	37.58	37.78	38.02	38.24	38.46	38.68
Short Circuit Current-Isc(A)	18.13	18.18	18.23	18.28	18.33	18.38
Maximum Power Voltage-Vmpp(V)	31.26	31.46	31.66	31.86	32.06	32.26
Maximum Power Current-Impp(A)	17.12	17.17	17.22	17.27	17.32	17.37
Module Efficiency (%) *	20.5	20.7	20.9	21.0	21.2	21.4

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 Number						
Maximum Power-Pmax (Wp)	405.3	409.0	412.8	416.7	420.5	424.3
Open Circuit Voltage-Voc (V)	34.95	35.14	35.36	35.56	35.77	35.97
Short Circuit Current-Isc (A)	14.87	14.91	14.95	14.99	15.03	15.07
Maximum Power Voltage-Vmpp (V)	29.01	29.19	29.38	29.57	29.75	29.94
Maximum Power Current-Impp (A)	13.97	14.01	14.05	14.09	14.13	14.17

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

MECHANICAL DATA

Solar cells	Monocrystalline
Cell configuration	110 cells (5×11+5×11)
Module dimensions	2384×1096×30mm
Weight	28.5kg
Superstrate	High Transmission, Low Iron, Tempered ARC Glass
Substrate	White Back-sheet
Frame	Anodized Aluminium Alloy, Silver Color
J-Box	Potted, IP68, 1500VDC, 3 Schottky bypass diodes
Cables	4.0mm ² , Positive(+)350mm, Negative(-)230mm (Connector Included) or customized length

TEMPERATURE & MAXIMUM RATINGS

Nominal Module Operating Temperature (NMOT)	44°C±2°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	0.04%/°C
Temperature Coefficient of Pmax	-0.34%/°C
Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Max Series Fuse Rating	30A
Limiting Reverse Current	30A

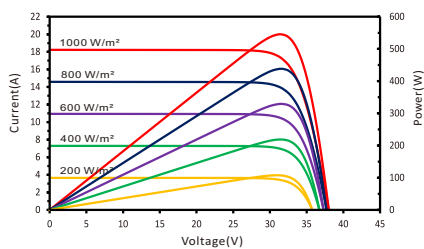
PACKAGING CONFIGURATION

	40ft(HQ)	20ft
Number of modules per container	720	144
Number of modules per pallet	36	36
Number of pallets per container	20	4
Packaging box dimensions (LxWxH) in mm	2395×1120×1235	2395×1120×1235
Box gross weight[kg]	1072	1072

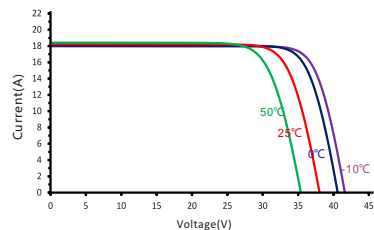
CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.

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FC110-8-545M
I-V characteristics at different irradiancies



I-V characteristics at different temperatures
(AM1.5, 1000W/m²)



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