

ELECTRICAL SPECIFICATIONS

Module No.	FL425MH	FL430MH	FL435MH	FL440MH	FL445MH	FL450MH
Peak power(Pmax)	425W	430W	435W	440W	445W	450W
Maximum power voltage(Vmp)	40.5V	40.7V	40.9V	41.1V	41.3V	41.5V
Maximum power current(Imp)	10.5A	10.57A	10.64A	10.71A	10.78A	10.85A
Open circuit voltage(Voc)	48.3V	48.5V	48.7V	48.9V	49.1V	49.3V
Short-circuit current(Isc)	11.23A	11.31A	11.39A	11.46A	11.53A	11.6A
Module efficiency	19.60%	19.80%	20.00%	20.20%	20.50%	20.70%
Power tolerance:	0+5W					
Maximum system voltage	1500VDC					

TEMPERATURE COEFFICIENT

Current temperature coefficient	0.06%/°C
Voltage temperature coefficient	-0.3%/°C
Power temperature coefficient	-0.39%/°C

STC: 1000W /m², AM 1.5, 25°C Noct 45±2°C

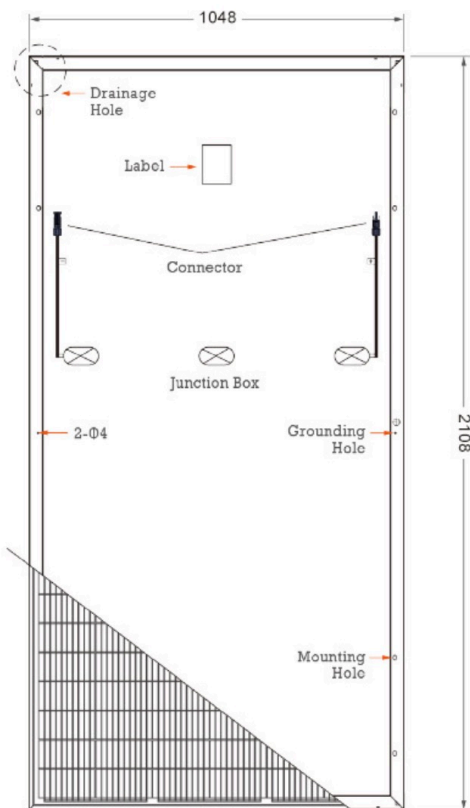
MECHANICAL SPECIFICATIONS

Cell Type	Mono PERC Cell 9BB 166x166mm
Number of Cells	144 cells (6 x 24)
Weight	23.5 kg
Dimension	2108 x 1048 x 35mm
Front Glass	3.2mm High Transmission, Tempered
Frame	Anodized aluminum alloy, silver color
Cable/Connector	300mm, 1x4.0mm ²
Junction Box	IP68 Rated
Max Series Fuse Rating	20A

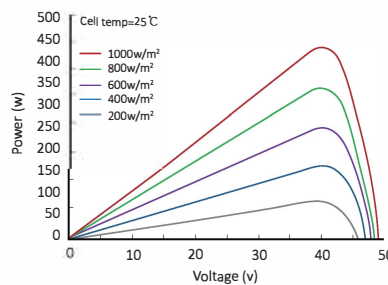
ELECTRICAL CHARACTERISTICS



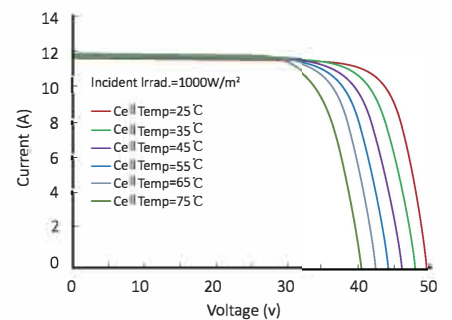
PHYSICAL CHARACTERISTICS



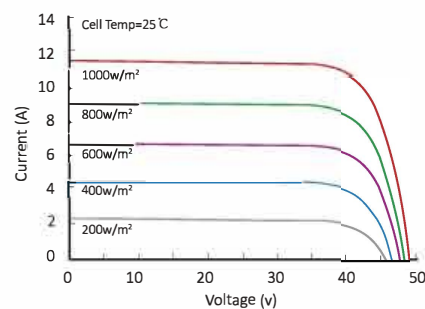
Power-Voltage Curve (440M)



Current-Voltage Curve (440M)



Current-Voltage Curve (440M)



*Due to continuous innovation, research and product improvement, the specifications are subject to change without prior notice.

*The data do not refer to a single module and they are not part of the offer, they only serve for comparison to different module types.

25-year performance warranty

10-year warranty on materials and workmanship