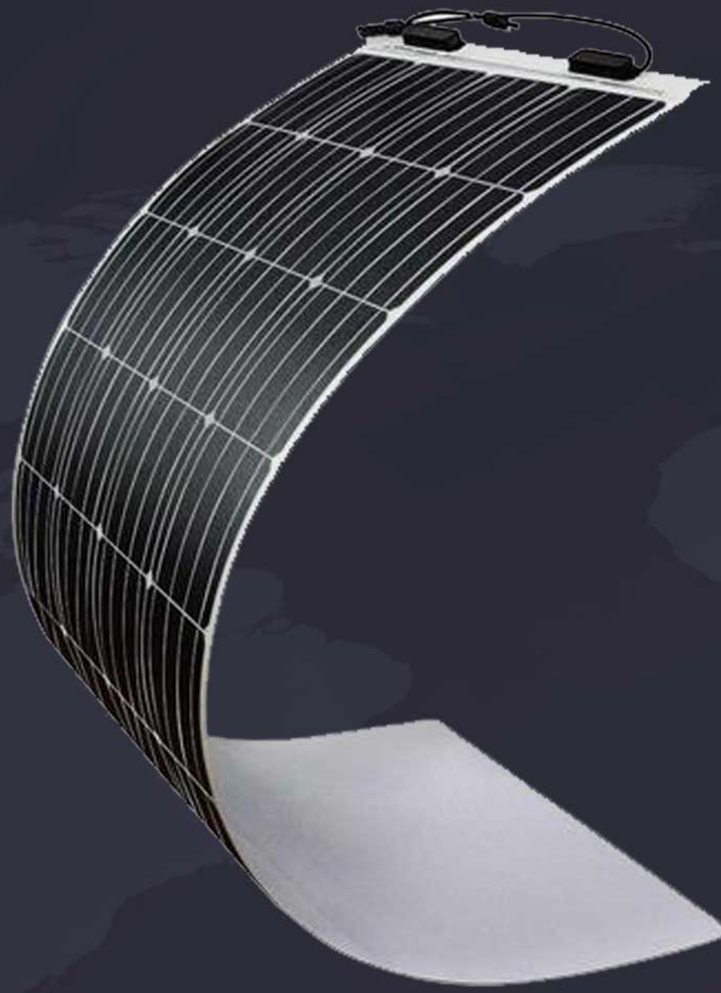
FLEXIBLE™

ECO DELTA

ECO-430M-144EF

PHOTOVOLTAIC ULTRA LIGHT MODULE

M6 166mm



12 YEARS
PRODUCT MATERIAL & WORKMANSHIP

25 YEARS 84.8%
LINEAR PERFORMANCE WARRANTY

INNOVATIONAL MBB AND HALF-CUT CELLS TECHNOLOGY

REDUCE INTERNAL LOSS
REDUCE SHADOW LOSS

MATURE PERC CELL TECHNOLOGY
EXCELLENT CELL EFFICIENCY AND OUTPUT

70% LIGHTER THAN CONVEN-TIONAL GLASS-MODULES

SEAMLESS INTEGRATION, QUICK-BONDING INSTALLATION, REDUCES TIME ON ROOF BY
40%

ECO DELTA MBB Mono ULTRA LIGHT PV Module

ECO-430M-144EF

ELECTRICAL DATA @ STC		ECO-430M-144EF
Peak Power(Pmax)	(W)	430
Maximum Power Voltage (Vmp)	(V)	42.00
Maximum Power Current(Imp)	(A)	10.24
Open-circuit Voltage (Voc)	(V)	49.80
Short-circuit Current(Isc)	(A)	10.74
Module Efficiency	(%)	19.3
Operating Temperature		-40°C~+85°C
Maximum System Voltage		☐1000V
Maximum Series Fuse Rating		20A
Power Telorance		0~+3%

*STC (Standard Test Condition): Irradiance 1000W/ ㎡ , Module Temperature 25°C, AM 1.5

ELECTRICAL DATA @ NMOT		ECO-430M-144EF
Peak Power(Pmax)	(W)	325
MPP Voltage (Vmp)	(V)	38.80
MPP Current(Imp)	(A)	8.38
Open Circuit Voltage (Voc)	(V)	46.80
Short Circuit Current(Isc)	(A)	8.69

*Under Nominal Module Operating Temperature (NMOT), Irradiance of 800W/ ㎡ , Spectrum AM 1.5, Ambient Temperature 20°C, Wind Speed 1m/s

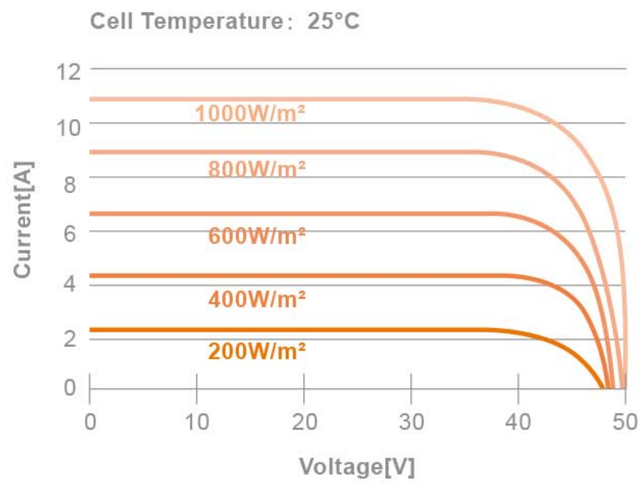
TEMPERATURE CHARACTERISTICS	
Temperature coefficient of Pmax	-0.38%/℃
Temperature coefficient of Voc	-0.28%/℃
Temperature coefficient of Isc	0.02%/℃
NMOT	41±2°C

MECHNICAL DATA	
Cell Type	Mono-Crystalline, 166*83mm
Cell Arrangement	144pcs (12*12)
Dimension (L×W×H)	2054 x 1084 x 2mm
Weight	7kg
Front Cover	Fluorine composite
Frame	/
Junction Box	IP68, 3 Bypass Diodes
Cable Type	4mm²
Length of Cable	1200mm
Connector	Compatible with MC4 PV Connector

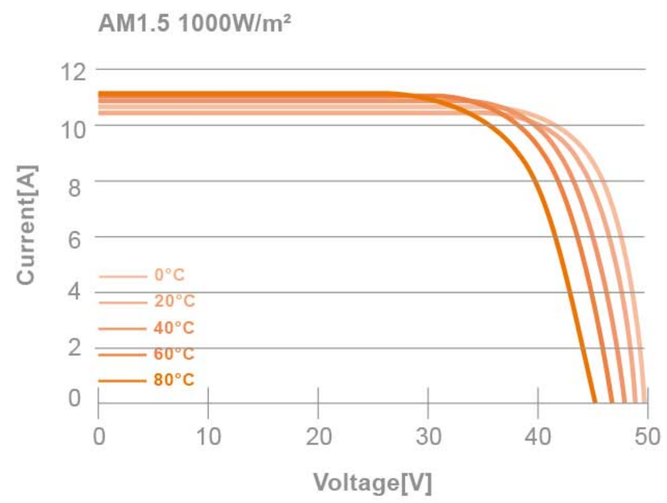
OPTIONAL	
Frame	/
Backsheet	☐Black ☐White
Connector	☐Original MC4
Cable	☐Customized
Module Size	☐Customized

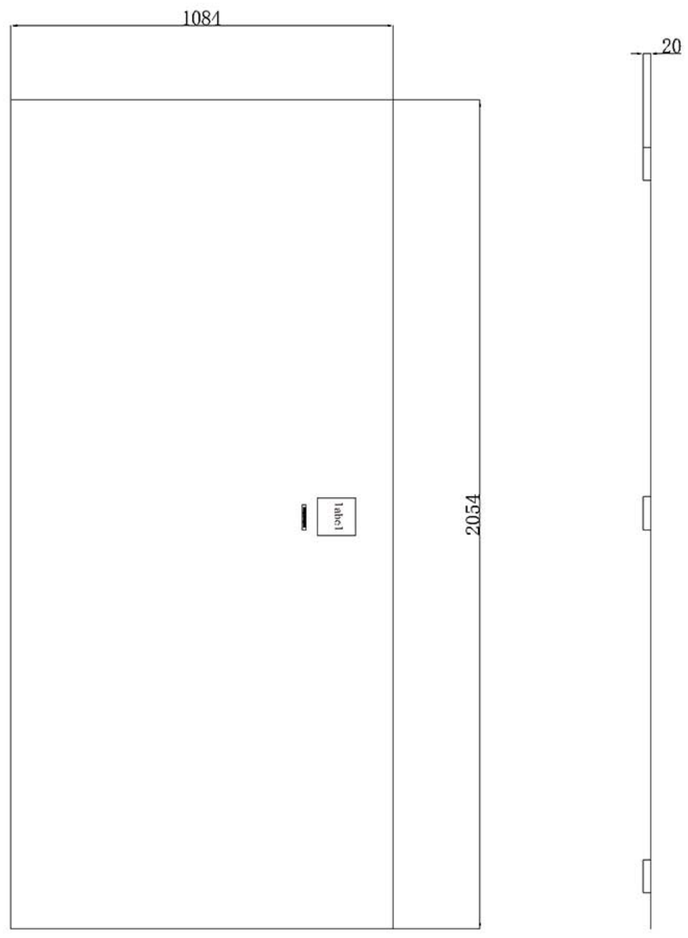
PACKING MANNER	
Packing Type	40'HQ
Piece/Pallet	66
Piece/Container	1320

Current-Voltage Curve under different irradiance



Current-Voltage Curve under different working temperatures





*The specification and key features described in this datasheet may deviate slightly and are not guaranteed. Due to ongoing innovation, R&D enhancement, ECO DELTA POWER CO., LTD Reserves the right to make any adjustment to the information described herein at any time without notice. Please always obtain the most recent version of the datasheet which shall be duly incorporated into the binding contract made by the parties governing all transactions related to the purchase and sale of the produccts described herein.

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