

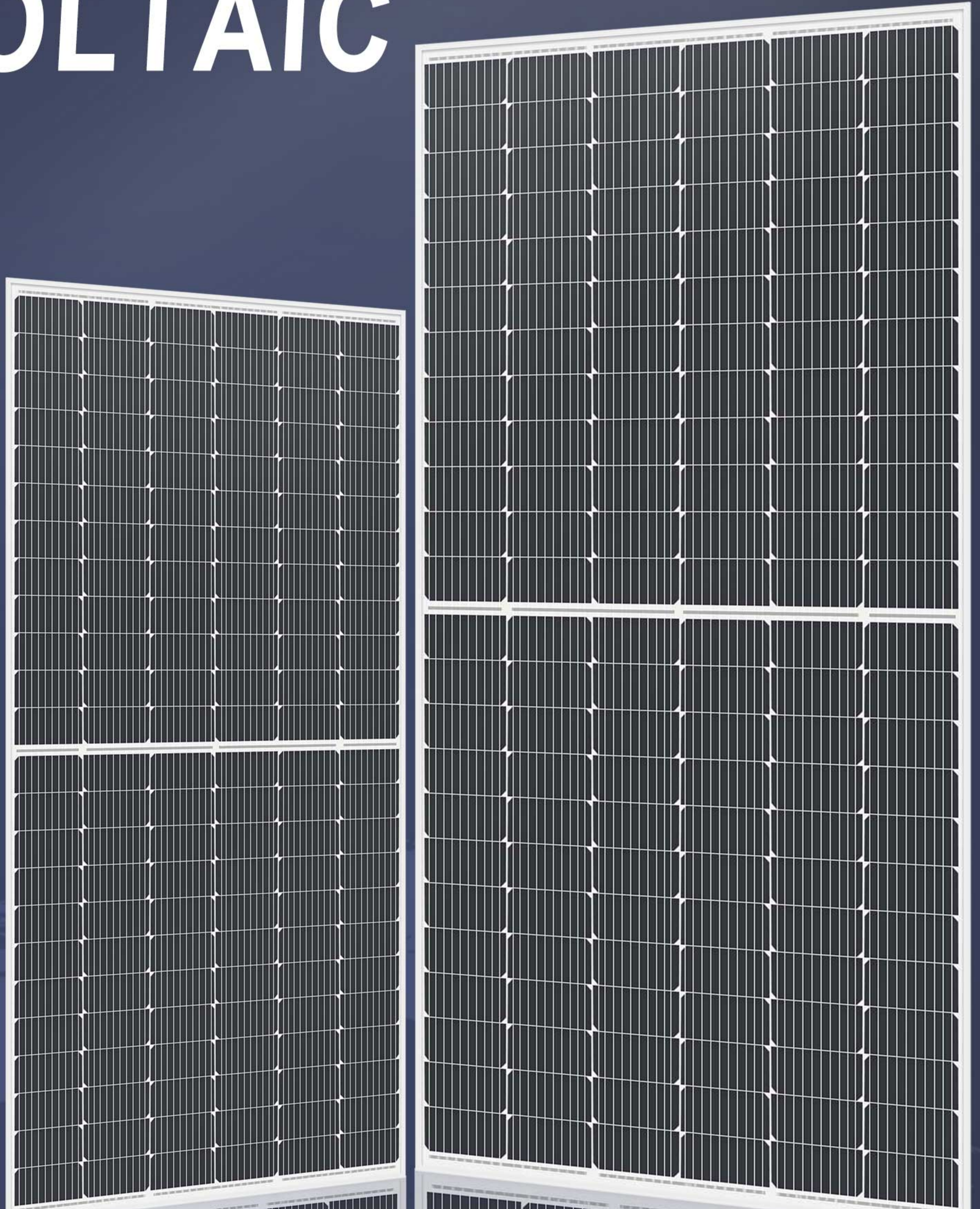
CLASSIC™



ECO-440-460M-72EHC

PHOTOVOLTAIC 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

PASSED THREE
TIMES IEC
STANDARD TEST

PASSED HAIL
TEST (ICE BALL
SIZE : d=45mm)

ECO DELTA 9BB Mono Big Cell(166) Half-cut Cell PV Module



ECO-440-460M-72EHC

ELECTRICAL DATA @ STC		ECO-440M-72 EHC	ECO-445M-72 EHC	ECO-450M-72 EHC	ECO-455M-72 EHC	ECO-460M-72 EHC
Peak Power(Pmax)	(W)	440	445	450	455	460
Maximum Power Voltage (Vmp)	(V)	40.85	41.05	41.32	41.59	41.86
Maximum Power Current(Imp)	(A)	10.77	10.84	10.89	10.94	10.99
Open-circuit Voltage (Voc)	(V)	48.50	48.80	49.05	49.30	49.55
Short-circuit Current(Isc)	(A)	11.24	11.30	11.37	11.44	11.51
Module Efficiency	(%)	20.24	20.47	20.70	20.93	21.16
Operating Temperature		-40°C~+85°C				
Maximum System Voltage		☐ 1000V ☐ 1500V				
Maximum Series Fuse Rating		20A				
Power Tolerance		0~+3%				

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

ELECTRICAL DATA @ NMOT		ECO-440M-72 EHC	ECO-445M-72 EHC	ECO-450M-72 EHC	ECO-455M-72 EHC	ECO-460M-72 EHC
Peak Power(Pmax)	(W)	327	331	335	339	343
MPP Voltage (Vmp)	(V)	37.93	38.12	38.37	38.62	38.87
MPP Current(Imp)	(A)	8.62	8.68	8.72	8.78	8.82
Open Circuit Voltage (Voc)	(V)	45.42	45.70	45.94	46.18	46.42
Short Circuit Current(Isc)	(A)	9.06	9.10	9.16	9.22	9.28

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

TEMPERATURE CHARACTERISTICS

Temperature coefficient of Pmax	-0.35%/k
Temperature coefficient of Voc	-0.25%/k
Temperature coefficient of Isc	0.04%/k
NMOT	43±2°C

MECHANICAL DATA

Cell Type	Mono-Crystalline, 166*83mm
Cell Arrangement	144pcs (2(6*12))
Dimension (L*W*H)	2094 x 1038 x 35 mm
Weight	23kg
Front Cover	3.2mm Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68, 3 Bypass Diodes
Cable Type	4mm ²
Length of Cable	1200mm
Connector	PV Connector

OPTIONAL

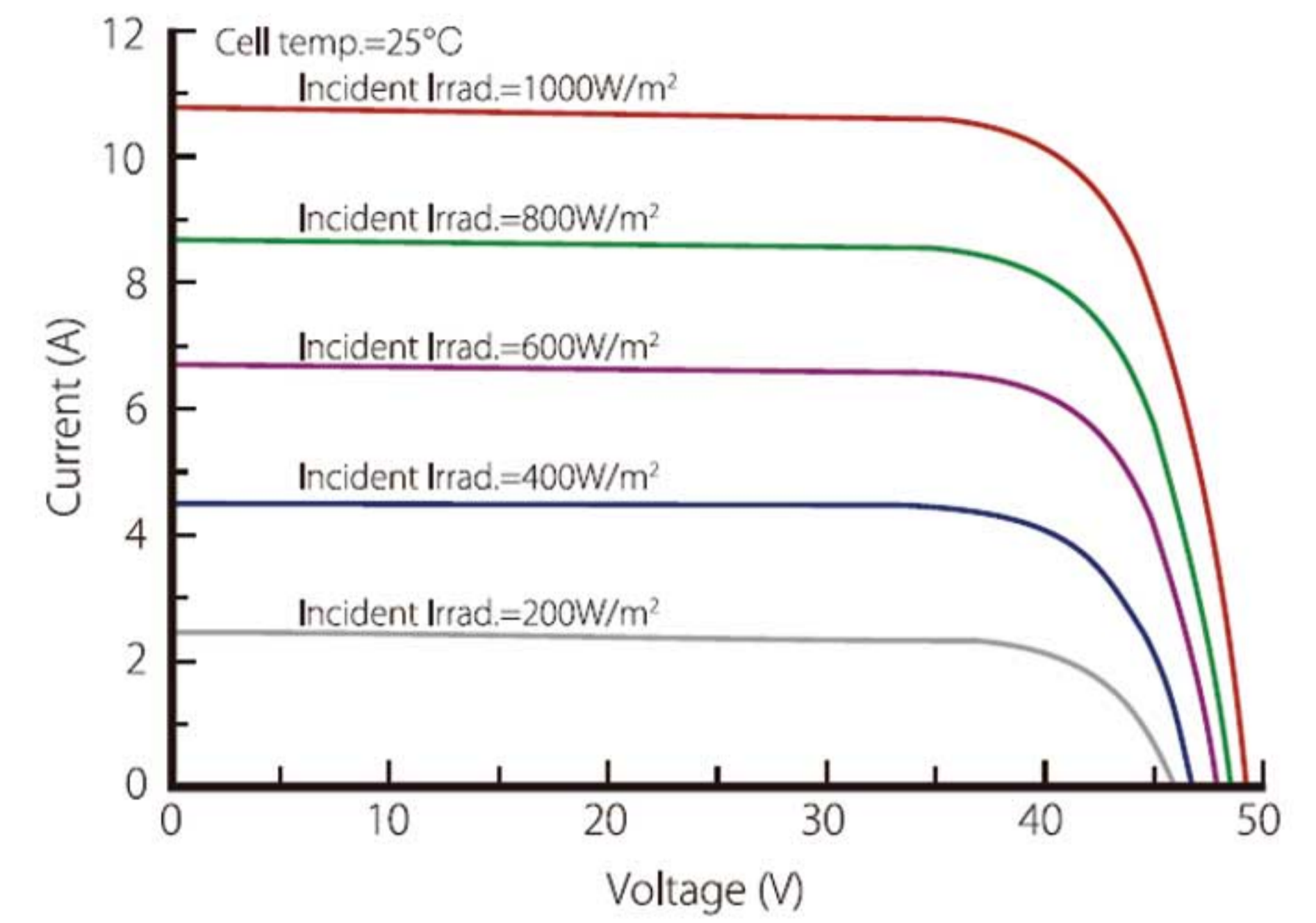
Frame	☐ Black
Backsheet	☐ Black
Connector	☐ Original MC4
Cable	☐ 400mm ☐ 1250mm
Module Size	☐ Customized

PACKING MANNER

Packing Type	40'HQ
Piece/Pallet	30
Piece/Container	660

*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 products described herein.

Current-Voltage Curve under different irradiance



Current-Voltage Curve under different working temperatures

