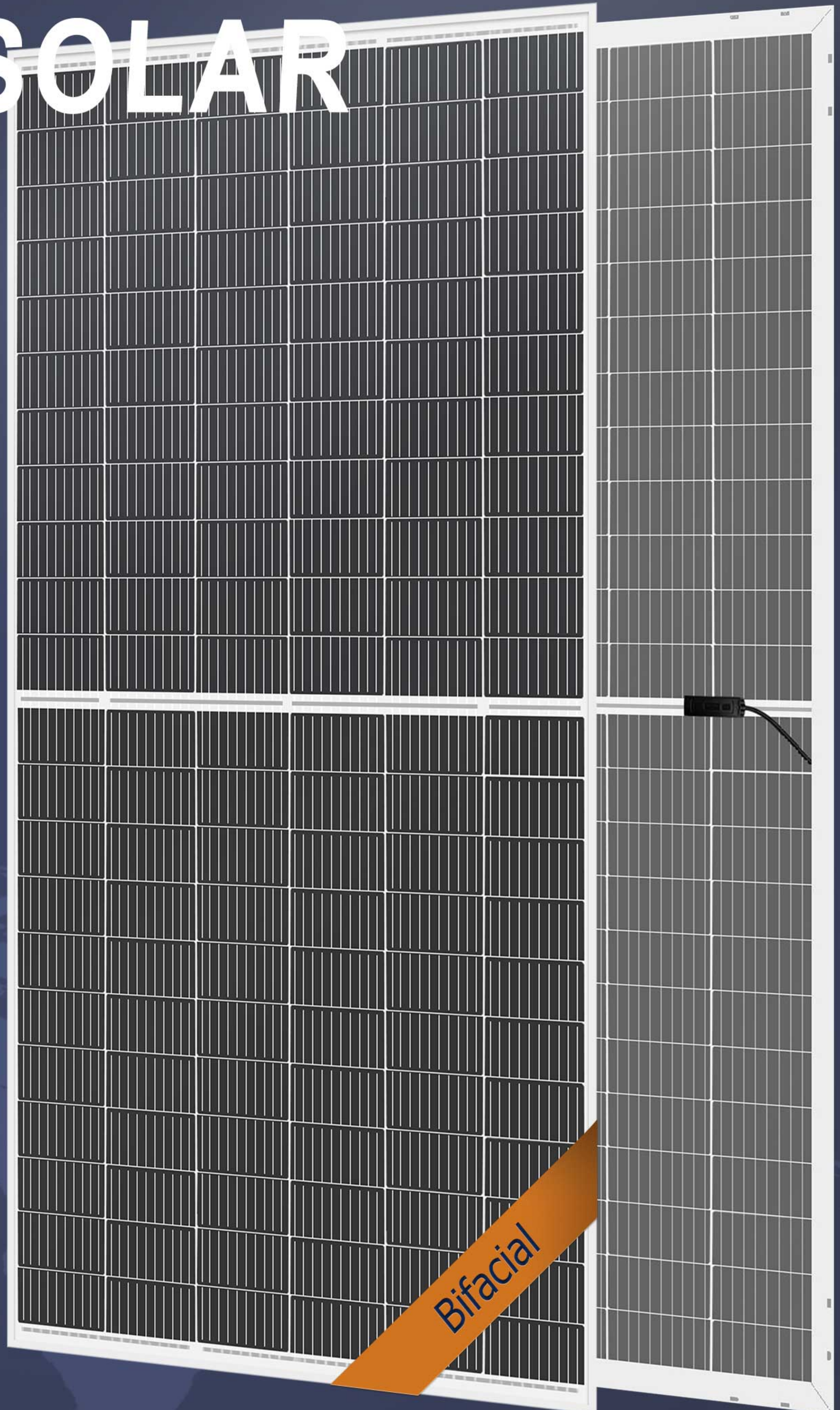


CLASSIC™



ECO-640-660M-66UHC-DGDF

BIFACIAL SOLAR MODULE G12 210mm



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 MBB Mono Big Cell(210) Half-cut Cell
Double-glass-bifacial PV Module



ECO-640-660M-66UHC-DGDF

ELECTRICAL DATA @ STC		ECO-640M-66 UHC-DGDF	ECO-645M-66 UHC-DGDF	ECO-650M-66 UHC-DGDF	ECO655M-66 UHC-DGDF	ECO-660M-66 UHC-DGDF
Peak Power(Pmax)	(W)	640	645	650	655	660
Maximum Power Voltage (Vmp)	(V)	37.34	37.52	37.72	37.91	38.08
Maximum Power Current(Imp)	(A)	17.14	17.19	17.23	17.28	17.33
Open-circuit Voltage (Voc)	(V)	45.30	45.50	45.68	45.87	46.03
Short-circuit Current(Isc)	(A)	18.53	18.58	18.63	18.68	18.73
Module Efficiency	(%)	20.37	20.53	20.70	20.85	21.01
Operating Temperature		-40°C~+85°C				
Maximum System Voltage		□1500V				
Maximum Series Fuse Rating		30A				
Power Telorance		0~+3%				

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

ELECTRICAL DATA @ NMOT		ECO-640M-66 UHC-DGDF	ECO-645M-66 UHC-DGDF	ECO-650M-66 UHC-DGDF	ECO-655M-66 UHC-DGDF	ECO-660M-66 UHC-DGDF
Peak Power(Pmax)	(W)	492	496	500	503	507
MPP Voltage (Vmp)	(V)	34.04	34.20	34.39	34.55	34.71
MPP Current(Imp)	(A)	14.45	14.49	14.52	14.56	14.61
Open Circuit Voltage (Voc)	(V)	41.82	42.00	42.18	42.35	42.50
Short Circuit Current(Isc)	(A)	15.75	15.80	15.84	15.88	15.92

*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	-0.34%/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, 210*105mm
Cell Arrangement	132pcs (2 (6*11))
Dimension (L*W*H)	2411 x 1303 x 35mm
Weight	38kg
Front Cover	2.0mm Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68, 3 Bypass Diodes
Cable Type	4mm²
Length of Cable	1400mm
Connector	Compatible with MC4 PV Connector

OPTIONAL

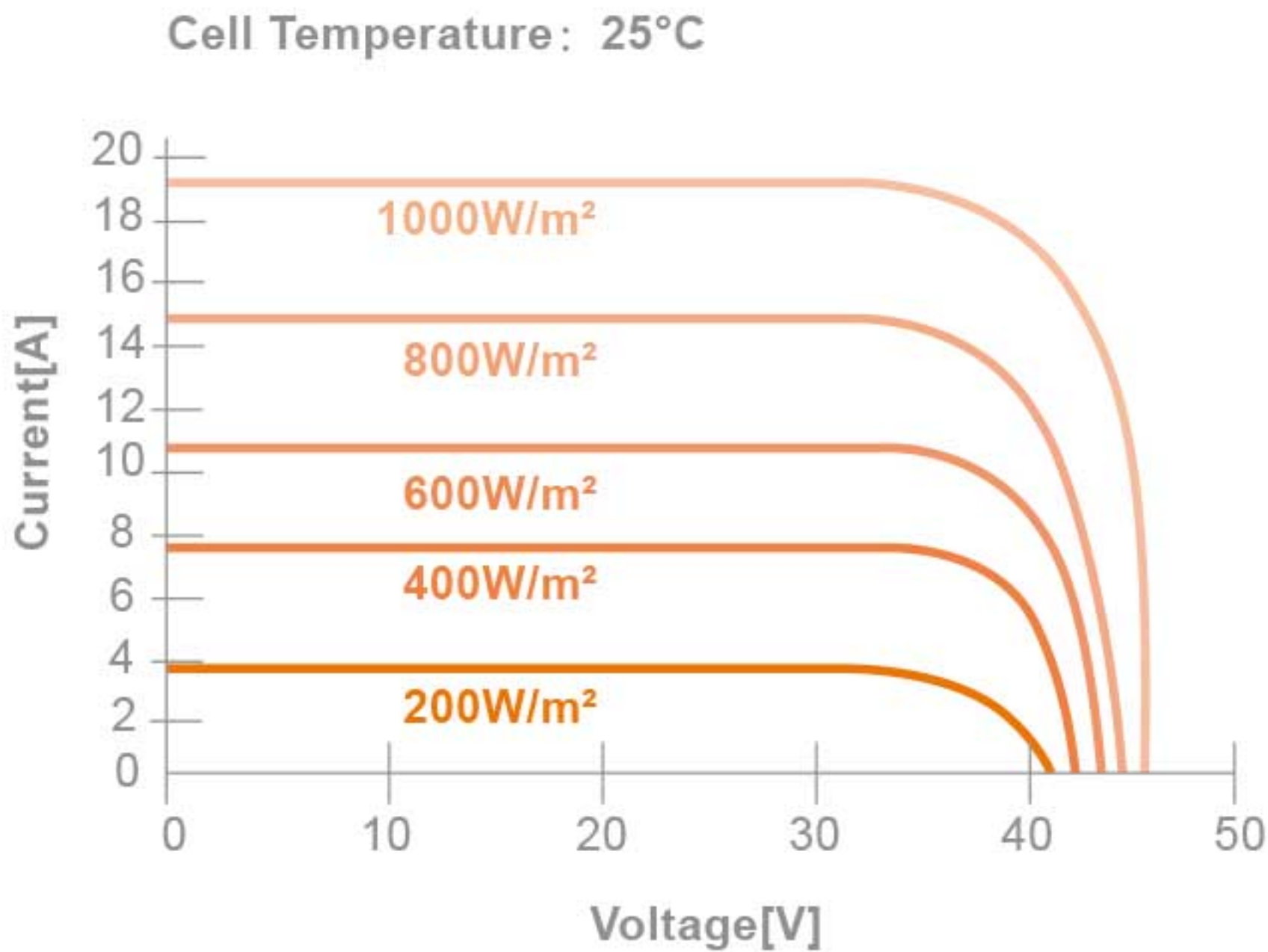
Frame	□Black
Backsheet	□2.0mm Transparent Glass
Connector	□Original MC4
Cable	□Customized
Module Size	□Customized

PACKING MANNER

Packing Type	40'HQ
Piece/Pallet	31
Piece/Container	558

*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 produccets described herein.

Current-Voltage Curve under different irradiance



Current-Voltage Curve under different working temperatures

