

CLASSIC PLUS™

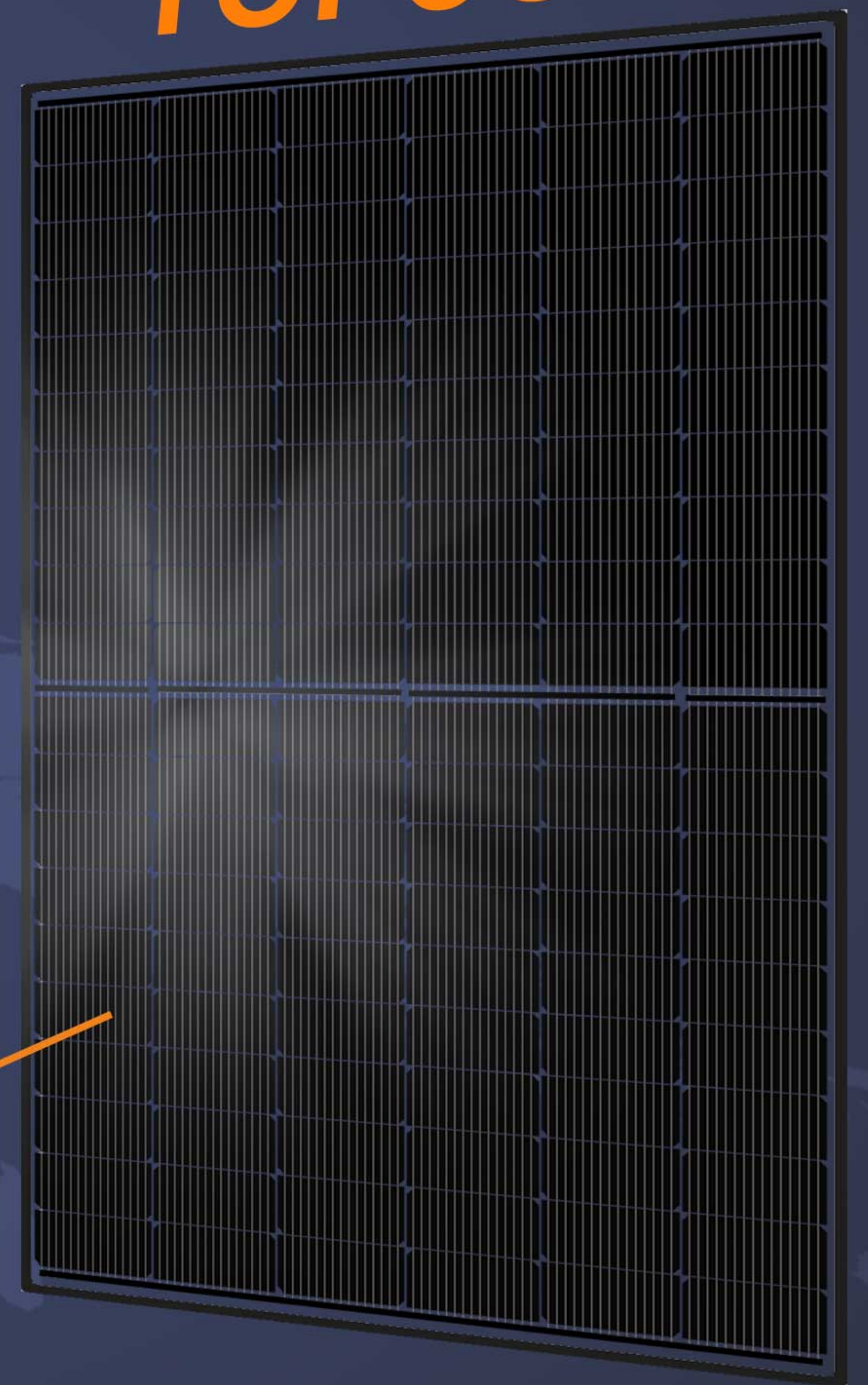


ECO-450M-54LHC-DGBF(TOPCON)AG

ANTI-GLARE BIFACIAL SOLAR MODULE M10

TOPCON

Infinitely close to 2 m²



30 YEARS

PRODUCT MATERIAL &
WORKMANSHIP

30 YEARS 87.8%
LINEAR PERFORMANCE
WARRANTY

INNOVATIONAL
MBB AND
HALF-CUT CELLS
TECHNOLOGY

REFLECTION ON
ANTI-GLARE
MODULE SURFACE
DEEPLY TEXTURED
EXTRA-CLEAR GLASSES

N TYPE
TOPCON CELL
TECHNOLOGY
EXCELLENT CELL
EFFICIENCY AND OUTPUT

PASSED THREE
TIMES IEC
STANDARD TEST

ADVANCED
BIFACIAL
EFFICIENCY

ECO DELTA Mono TOPCON Half-cut Cell
Double-glass-bifacial Anti glare PV Module
ECO-450M-54LHC-DGBF(TOPCON)AG



ELECTRICAL DATA @ STC

		ECO-450M-54 LHC-DGBF
Peak Power(Pmax)	(W)	450
Maximum Power Voltage (Vmp)	(V)	33.07
Maximum Power Current(Imp)	(A)	13.61
Open-circuit Voltage (Voc)	(V)	39.73
Short-circuit Current(Isc)	(A)	14.22
Module Efficiency	(%)	22.54
Operating Temperature		-40°C~+85°C
Maximum System Voltage		□1500V
Maximum Series Fuse Rating		25A
Mechanical Test Load		Front 5400Pa Rear 2400Pa

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

ELECTRICAL DATA @ NMOT

		ECO-450M-54 LHC-DGBF
Peak Power(Pmax)	(W)	339
MPP Voltage (Vmp)	(V)	30.82
MPP Current(Imp)	(A)	11.00
Open Circuit Voltage (Voc)	(V)	37.64
Short Circuit Current(Isc)	(A)	11.48

*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	-0.29%/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 N-TYPE
Cell Arrangement	108pcs (2 (6×9))
Dimension (L×W×H)	1762 x 1134 x 30 mm
Weight	22.5kg
Front Cover	1.6mm heat strengthened glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68, 3 Bypass Diodes
Cable Type	4mm²
Length of Cable	1000mm
Connector	Compatible with MC4 PV Connector

OPTIONAL

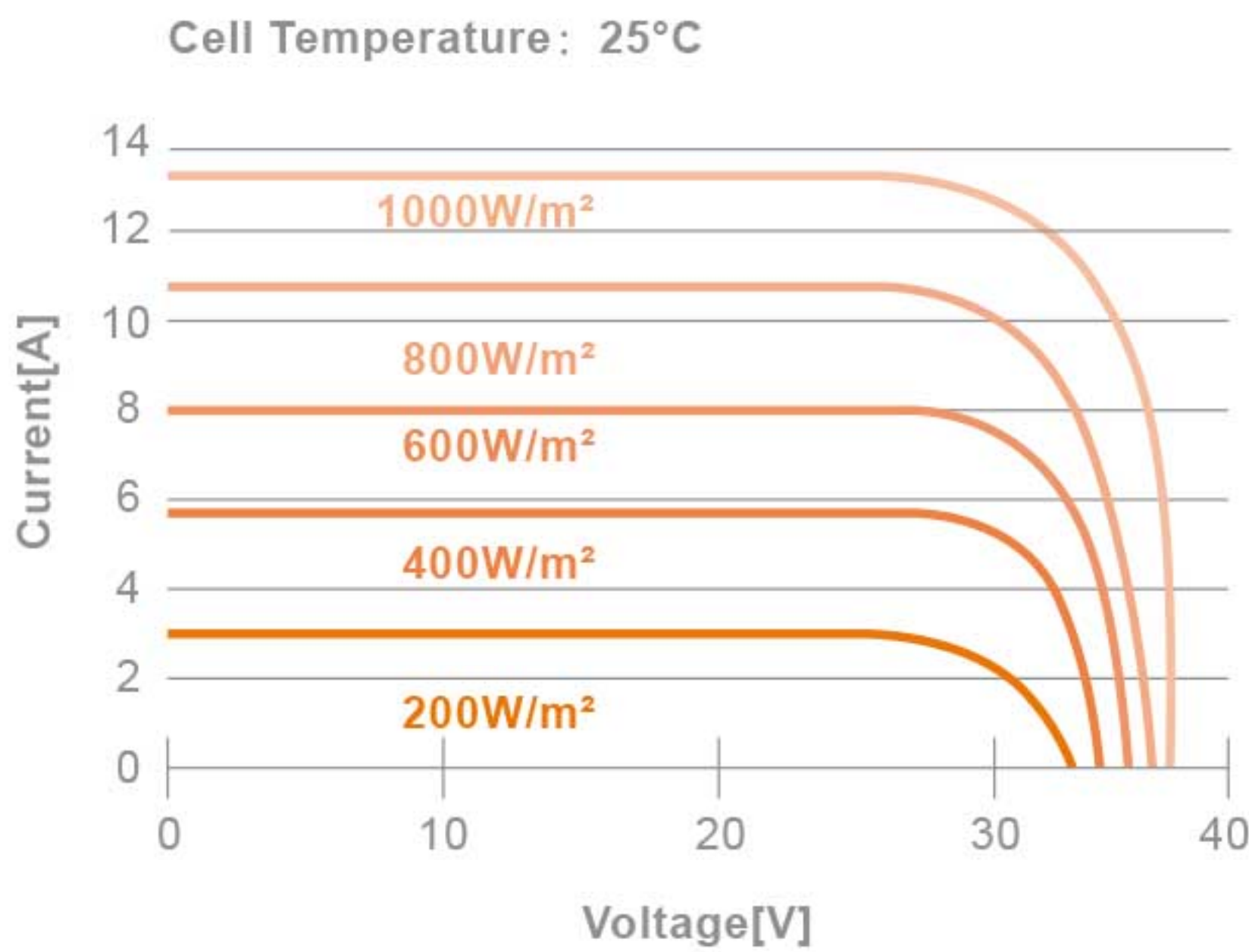
Frame	□Black □Silvery
Backsheet	□1.6mm heat strengthened glass
Connector	□Original MC4
Cable	□Customized
Module Size	□Customized

PACKING MANNER

Packing Type	40'HQ
Piece/Pallet	36
Piece/Container	936

*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

