

CLASSIC PLUS™

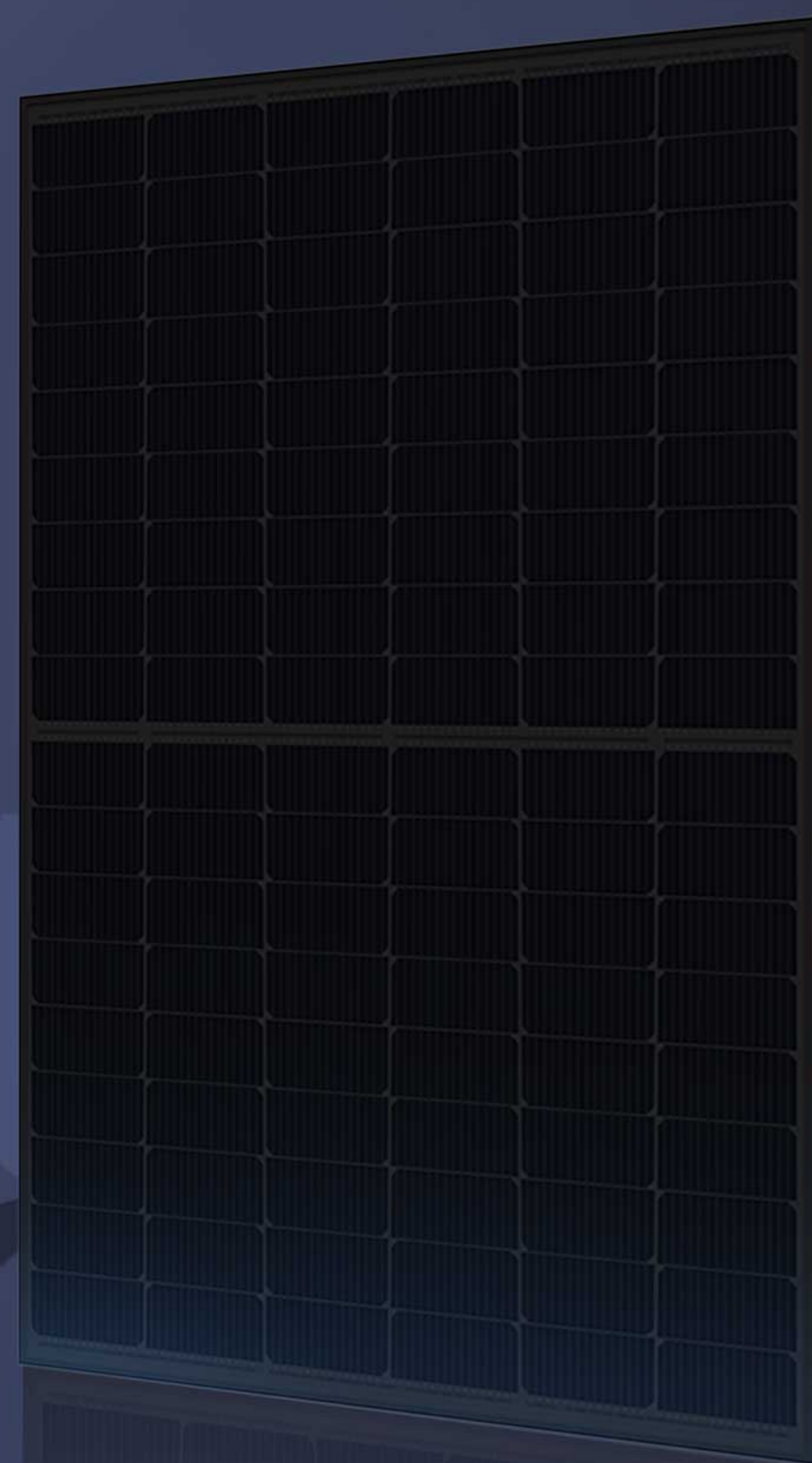


ECO-440M-54LHC-DGBF black (TOPCON)

BIFACIAL SOLAR MODULE

Infinately close to 2 m²

1.99 m²



30 YEARS
PRODUCT MATERIAL &
WORKMANSHIP

30 YEARS 87.4%
LINEAR PERFORMANCE
WARRANTY

INNOVATIONAL
SMBB AND
HALF-CUT CELLS
TECHNOLOGY

REDUCE
INTERNAL LOSS
REDUCE
SHADOW LOSS

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 PV Module



ECO-440M-54LHC-DGBF black(TOPCON)

ELECTRICAL DATA @ STC		ECO-440M-54 LHC-DGBF black
Peak Power(Pmax)	(W)	440
Maximum Power Voltage (Vmp)	(V)	32.67
Maximum Power Current(Imp)	(A)	13.47
Open-circuit Voltage (Voc)	(V)	39.33
Short-circuit Current(Isc)	(A)	14.08
Module Efficiency	(%)	22.02
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-440M-54 LHC-DGBF black
Peak Power(Pmax)	(W)	331
MPP Voltage (Vmp)	(V)	30.42
MPP Current(Imp)	(A)	10.88
Open Circuit Voltage (Voc)	(V)	37.36
Short Circuit Current(Isc)	(A)	11.36

*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

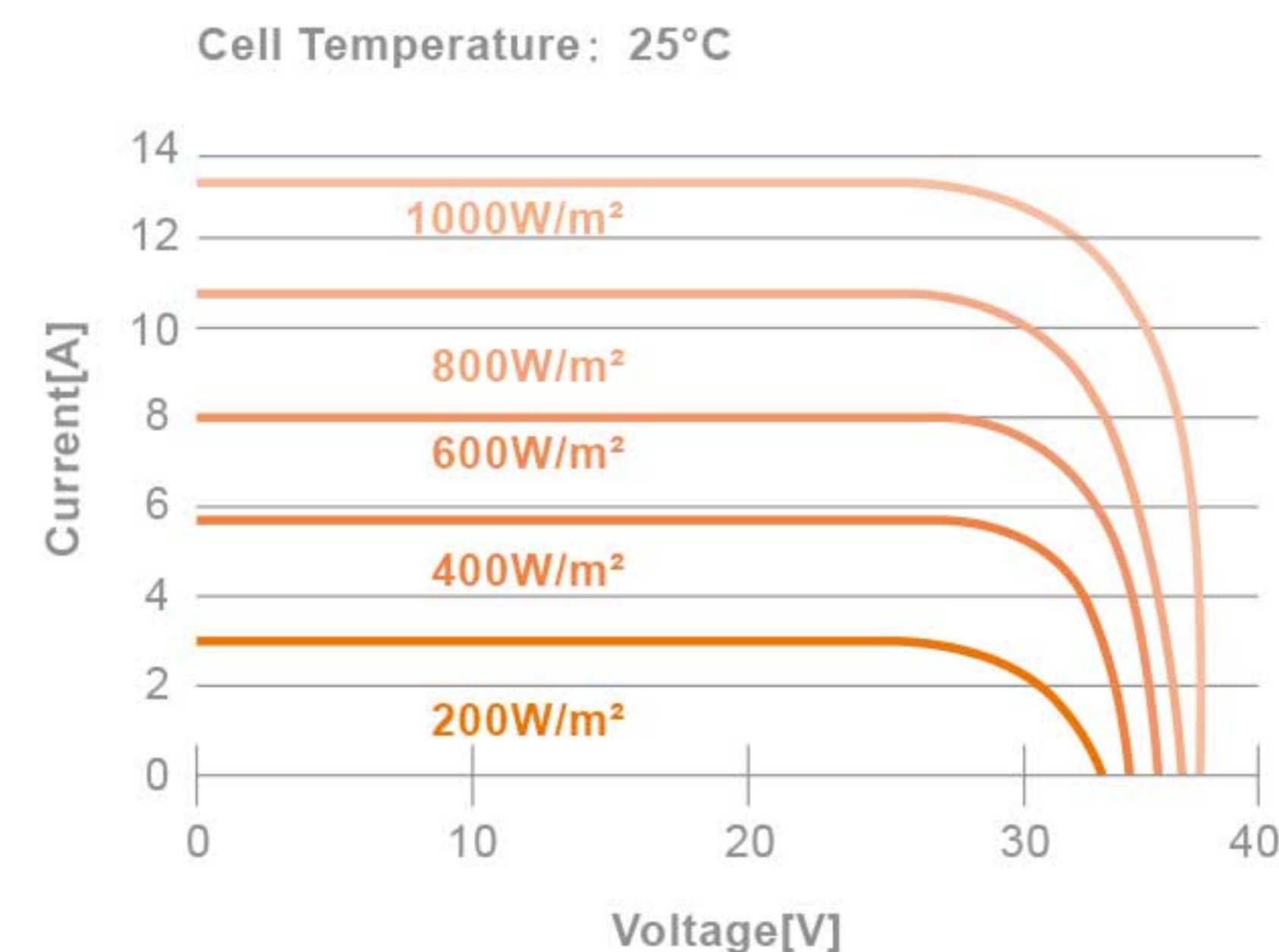
MECHANICAL DATA		
Cell Type		Mono-Crystalline N-TYPE
Cell Arrangement		108pcs (2(6×9))
Dimension (L×W×H)		1762 x 1134 x 30 mm
Weight		22.5kg
Front Cover		1.6mm high transmittance, AR coated tempered glass
Frame		Anodized Aluminium Alloy
Junction Box		IP68, 3 Bypass Diodes
Cable Type		4mm ²
Length of Cable		1000mm
Connector		Compatible with MC4 PV Connector

OPTIONAL		
Frame		<input type="checkbox"/> Black <input type="checkbox"/> Silvery
Backsheet		<input type="checkbox"/> 1.6mm high transmittance, heat strengthened glass(mesh)
Connector		<input type="checkbox"/> Original MC4
Cable		<input type="checkbox"/> Customized
Module Size		<input type="checkbox"/> 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

