

CLASSIC™

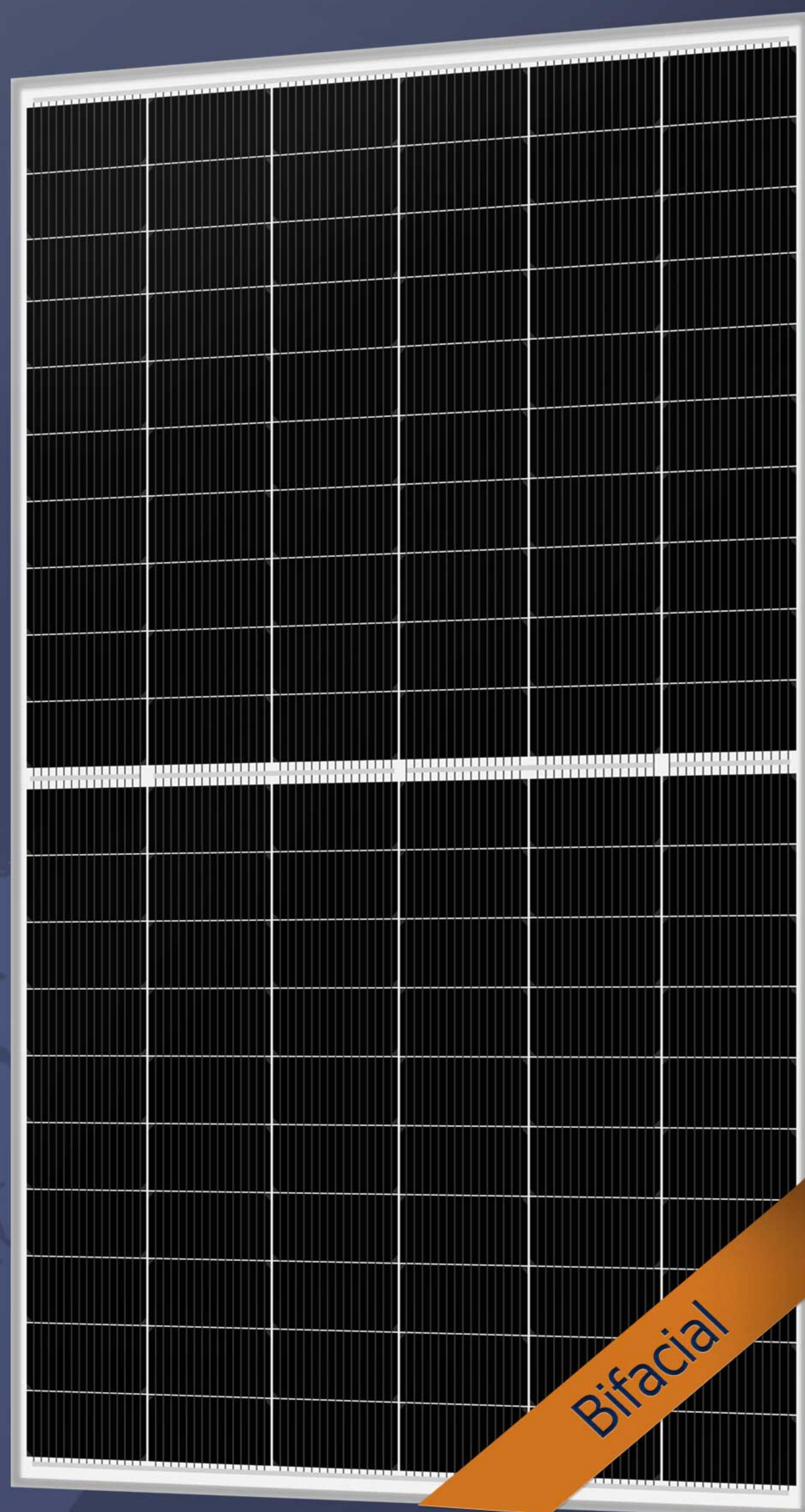


ECO-630-650M-60UHC-DGBF(HJT)

BIFACIAL SOLAR MODULE

G12 210mm

HJT



30 YEARS

PRODUCT MATERIAL &
WORKMANSHIP

30 YEARS 90.3%
LINEAR PERFORMANCE
WARRANTY

Advanced HJT
cell/module design,
higher reliability and
outstanding perfor-
mance

Lower operation
temperature
Lower temperature
coefficient

High energy yield
Reduced LCOE
and improved
ROI

Passed three
times IEC
standard test

Passed hail test
(ice ball
size:d=25mm)

ECO DELTA Mono HJT Half-cut Cell
Double-glass-bifacial PV Module
ECO-630-650M-60UHC-DGBF(HJT)



ELECTRICAL DATA @ STC		ECO-630M-66 UHC-DGBF	ECO-635M-66 UHC-DGBF	ECO-640M-66 UHC-DGBF	ECO-645M-66 UHC-DGBF	ECO-650M-66 UHC-DGBF
Peak Power(Pmax)	(W)	630	635	640	645	650
Maximum Power Voltage (Vmp)	(V)	38.04	38.19	38.35	38.51	38.67
Maximum Power Current(Imp)	(A)	16.57	16.63	16.69	16.75	16.81
Open-circuit Voltage (Voc)	(V)	45.30	45.48	45.66	45.84	46.02
Short-circuit Current(Isc)	(A)	17.37	17.43	17.49	17.55	17.61
Module Efficiency	(%)	22.3	22.4	22.6	22.8	23.0
Operating Temperature		-40°C~+85°C				
Maximum System Voltage		1500V				
Maximum Series Fuse Rating		35A				
Mechanical Test Load		Front 5400Pa Rear 2400Pa				

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

ELECTRICAL CHARACTERISTICS @ BSTC						
Peak Power(Pmax)	(W)	695	700	707	713	718
MPP Voltage (Vmp)	(V)	38.11	38.29	38.47	38.65	38.83
MPP Current(Imp)	(A)	18.26	18.32	18.38	18.44	18.50
Open Circuit Voltage (Voc)	(V)	45.35	45.53	45.71	45.89	46.07
Short Circuit Current(Isc)	(A)	19.11	19.17	19.23	19.29	19.35

*BSTC : Front Irradiance: 1000W/ m² Back Irradiance: 135W/ m², Module Temperature 25°C, AM 1.5

TEMPERATURE CHARACTERISTICS		
Temperature coefficient of Pmax		-0.26%/°C
Temperature coefficient of Voc		-0.24%/°C
Temperature coefficient of Isc		0.04%/°C
NMOT		43±2°C

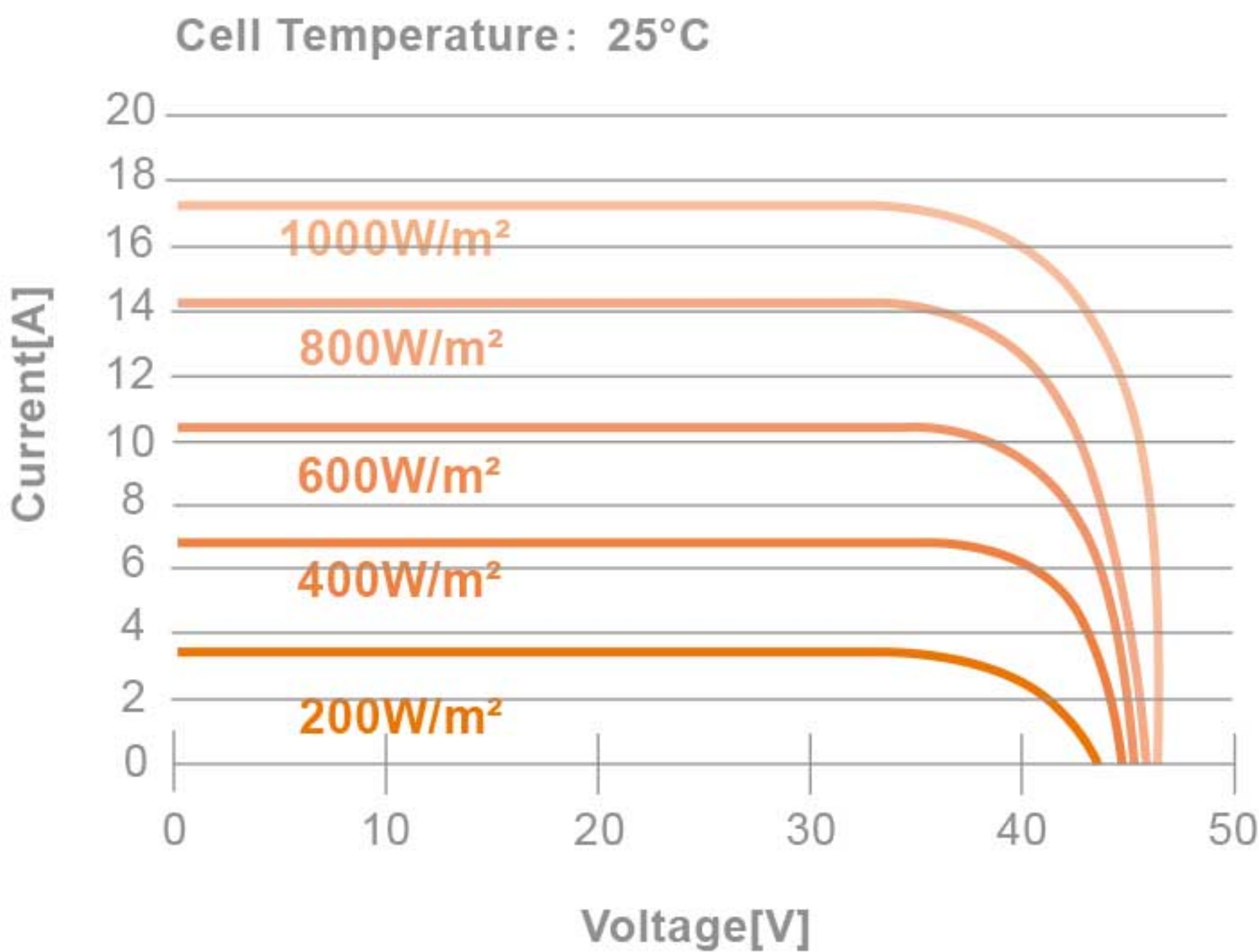
MECHNICAL DATA		
Cell Type		Mono-Crystalline HJT
Cell Arrangement		120pcs (2 (6×10))
Dimension (L×W×H)		2172 x1303 x 35 mm
Weight		35.5kg
Front Cover		2.0+2.0mm high transmittance, AR coated tempered glass
Frame		Anodized Aluminium Alloy
Junction Box		IP68, 3 Bypass Diodes
Cable Type		4mm²
Length of Cable		300mm
Connector		Compatible with MC4 PV Connector

OPTIONAL		
Frame		☐ Black ☐ Silvery
Connector		☐ Original MC4
Cable		☐ 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 produccts described herein.

Current-Voltage Curve under different irradiance



Current-Voltage Curve under different working temperatures

