

AURORA™



ECO-425-440M-66EHCblack(IBC)

PHOTOVOLTAIC MODULE N-TYPE M6 IBC FULL BLACK



30 YEARS
PRODUCT MATERIAL &
WORKMANSHIP

30 YEARS 91.8%
LINEAR PERFORMANCE
WARRANTY

IBC-NO ELEC-
TRODE TO BLOCK
SUNLIGHT
N-TYPE CELL HAS
ZERO LID

REDUCE
INTERNAL LOSS
REDUCE
SHADOW LOSS

EXCELLENT
TEMPERATURE
COEFFICIENT
LOW MISMATCH-
LOSS

PASSED THREE
TIMES IEC
STANDARD TEST

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

ECO DELTA MBB Mono N-IBC PV Module



ECO-425-440M-66EHCblack(IBC)

ELECTRICAL DATA @ STC		ECO-425M-66 EHCblack	ECO-430M-66 EHCblack	ECO-435M-66 EHCblack	ECO-440M-66 EHCblack
Peak Power(Pmax)	(W)	425	430	435	440
Maximum Power Voltage (Vmp)	(V)	39.00	39.20	39.40	39.60
Maximum Power Current(Imp)	(A)	10.90	10.97	11.05	11.12
Open-circuit Voltage (Voc)	(V)	46.00	46.10	46.20	46.30
Short-circuit Current(Isc)	(A)	11.76	11.86	11.96	12.06
Module Efficiency	(%)	21.6	21.8	22.1	22.3
Operating Temperature		-40°C~+85°C			
Maximum System Voltage		□1500V			
Maximum Series Fuse Rating		20A			
Mechanical Test Load		Front 5400Pa Rear 2400Pa			

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

ELECTRICAL DATA @ NMOT		ECO425M-66 EHCblack	ECO-430M-66 EHCblack	ECO-435M-66 EHCblack	ECO-440M-66 EHCblack
Peak Power(Pmax)	(W)	320	324	328	332
MPP Voltage (Vmp)	(V)	36.40	36.60	36.80	37.00
MPP Current(Imp)	(A)	8.80	8.86	8.92	8.98
Open Circuit Voltage (Voc)	(V)	44.10	44.20	44.30	44.40
Short Circuit Current(Isc)	(A)	9.49	9.57	9.65	9.73

*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	-0.246%/k
Temperature coefficient of Isc	0.046%/k
NMOT	43±2°C

MECHANICAL DATA

Cell Type	Mono-Crystalline, 166*83mm
Cell Arrangement	132pcs (2(6*11))
Dimension (L*W*H)	1895 x 1039 x 30 mm
Weight	21kg
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	Compatible with MC4 PV Connector

OPTIONAL

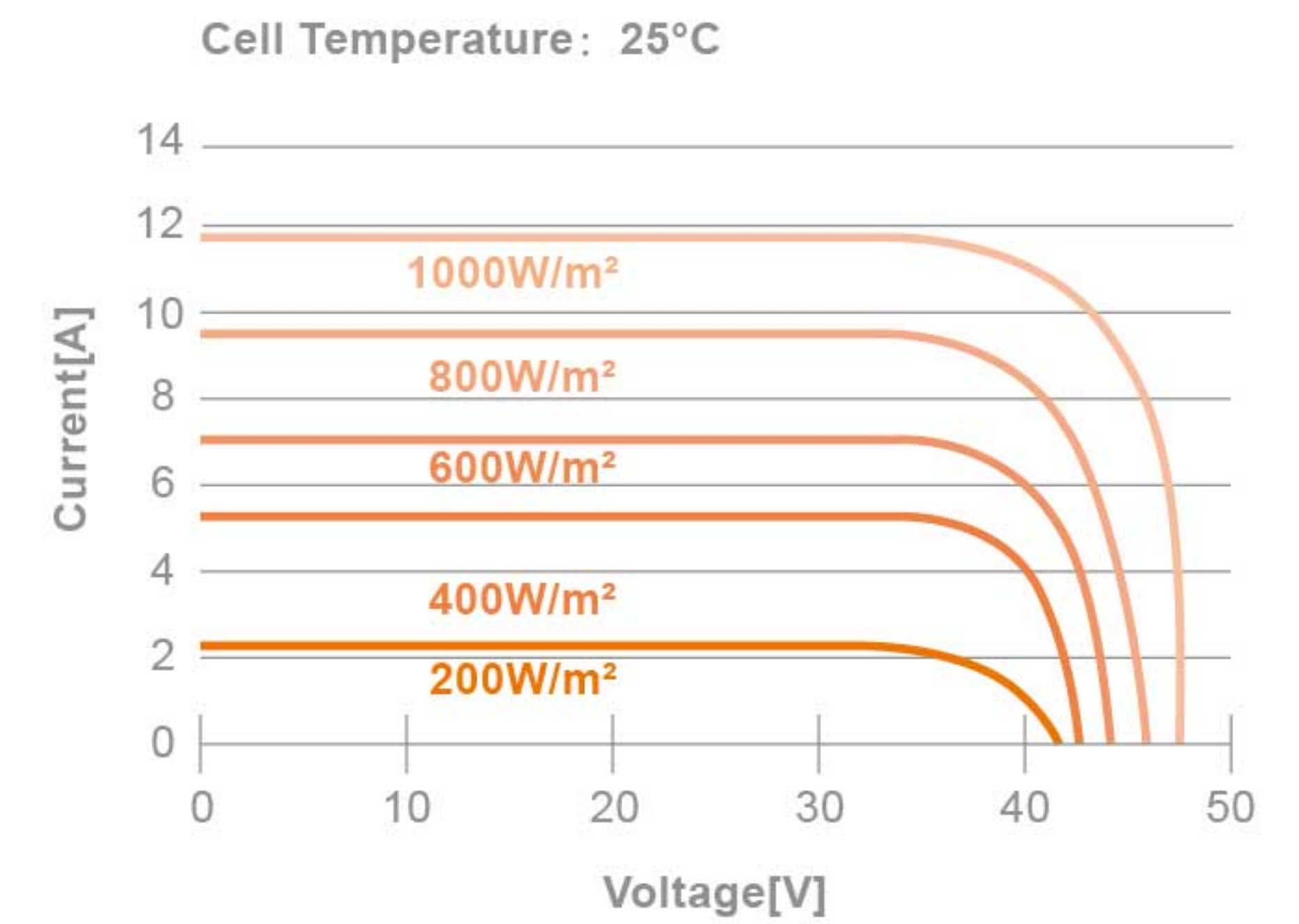
Frame	<input type="checkbox"/> Black <input type="checkbox"/> Silvery
Backsheet	<input type="checkbox"/> Black <input type="checkbox"/> White
Connector	<input type="checkbox"/> Original MC4
Cable	<input type="checkbox"/> Customized
Module Size	<input type="checkbox"/> Customized

PACKING MANNER

Packing Type	40'HQ
Piece/Pallet	36
Piece/Container	864

*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

