

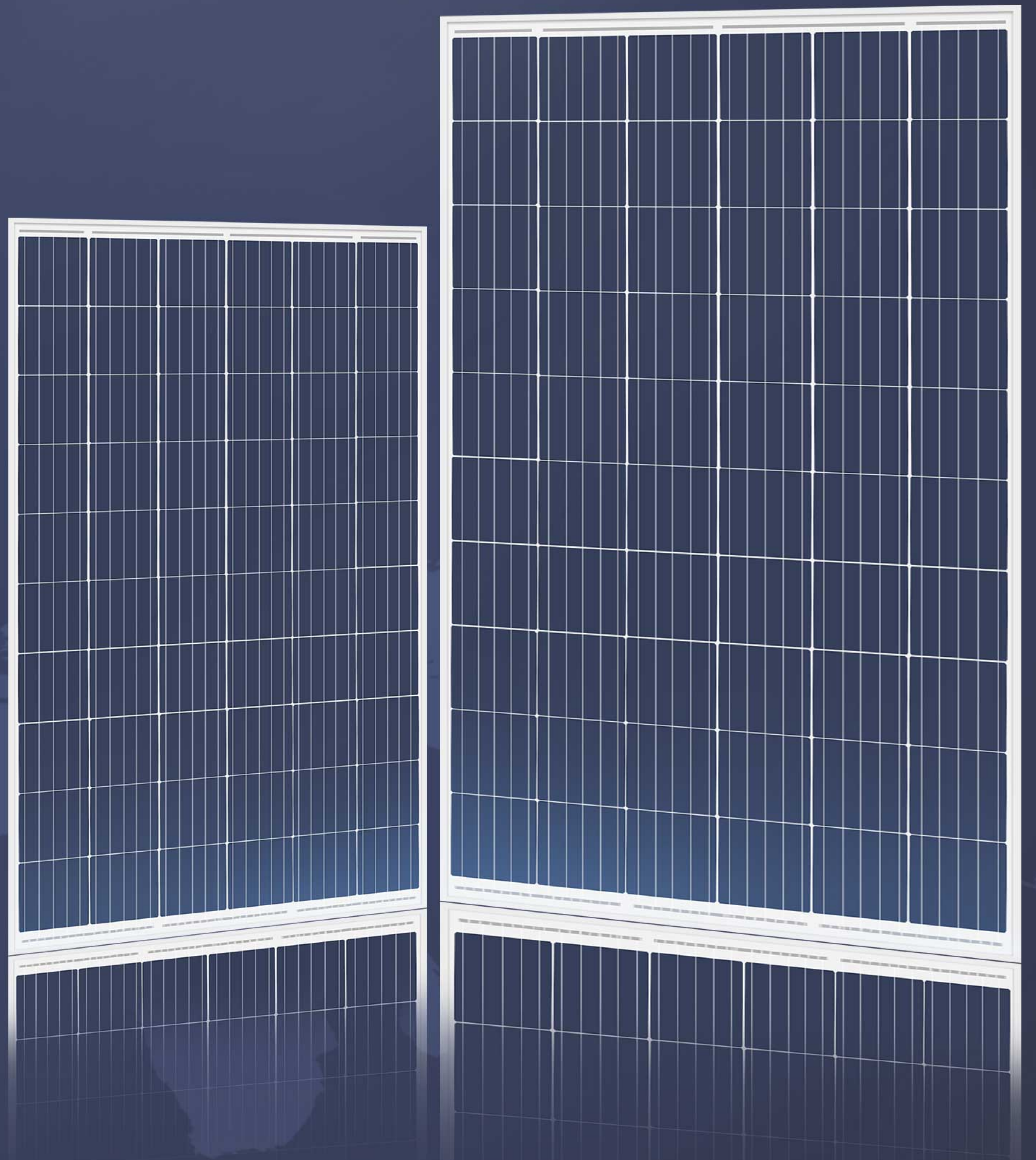
CLASSIC™



ECO-270-290-60P

PHOTOVOLTAIC MODULE

M2 156mm



12 YEARS

PRODUCT MATERIAL &
WORKMANSHIP

25 YEARS 84.8%

LINEAR PERFORMANCE

WARRANTY

HIGHER EFF

RATING POWER PROVIDES
HIGHER KWH

CLASSIC

5-BUSBAR CELLS

REDUCES THE CELL
SERISE RESISTANCE
IMPROVES THE MODULE

OUTPUT

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 High Efficiency 5BB Polycrystalline PV Module



ECO-270-290P-60

ELECTRICAL DATA @ STC		ECO-270P-60	ECO-275P-60	ECO-280P-60	ECO-285P-60	ECO-290P-60
Peak Power(Pmax)	(W)	270	275	280	285	290
Maximum Power Voltage (Vmp)	(V)	30.90	31.10	31.40	31.60	31.85
Maximum Power Current(Imp)	(A)	8.73	8.84	8.92	9.02	9.11
Open-circuit Voltage (Voc)	(V)	37.90	38.10	38.20	38.30	38.40
Short-circuit Current(Isc)	(A)	9.22	9.32	9.40	9.49	9.60
Module Efficiency (%)		16.50	16.80	17.10	17.40	17.70
Operating Temperature		-40°C~+85°C				
Maximum System Voltage		<input type="checkbox"/> 1000V <input type="checkbox"/> 1500V				
Maximum Series Fuse Rating		15A				
Power Tolerance		0~+3%				

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

ELECTRICAL DATA @ NMOT		ECO-270P-60	ECO-275P-60	ECO-280P-60	ECO-285P-60	ECO-290P-60
Peak Power(Pmax)	(W)	200	204	207	211	215
MPP Voltage (Vmp)	(V)	28.70	29.00	29.20	29.40	29.63
MPP Current(Imp)	(A)	6.97	7.03	7.10	7.17	7.25
Open Circuit Voltage (Voc)	(V)	35.50	35.60	35.80	36.00	36.20
Short Circuit Current(Isc)	(A)	7.41	7.47	7.55	7.63	7.71

*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	Poly-Crystalline, 156.75*156.75mm
Cell Arrangement	60pcs (6*10)
Dimension (L*W*H)	1650*992*30mm
Weight	18.0kg
Front Cover	3.2mm Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68, 3 Bypass Diodes
Cable Type	4mm ²
Length of Cable	1000mm
Connector	PV Connector

OPTIONAL

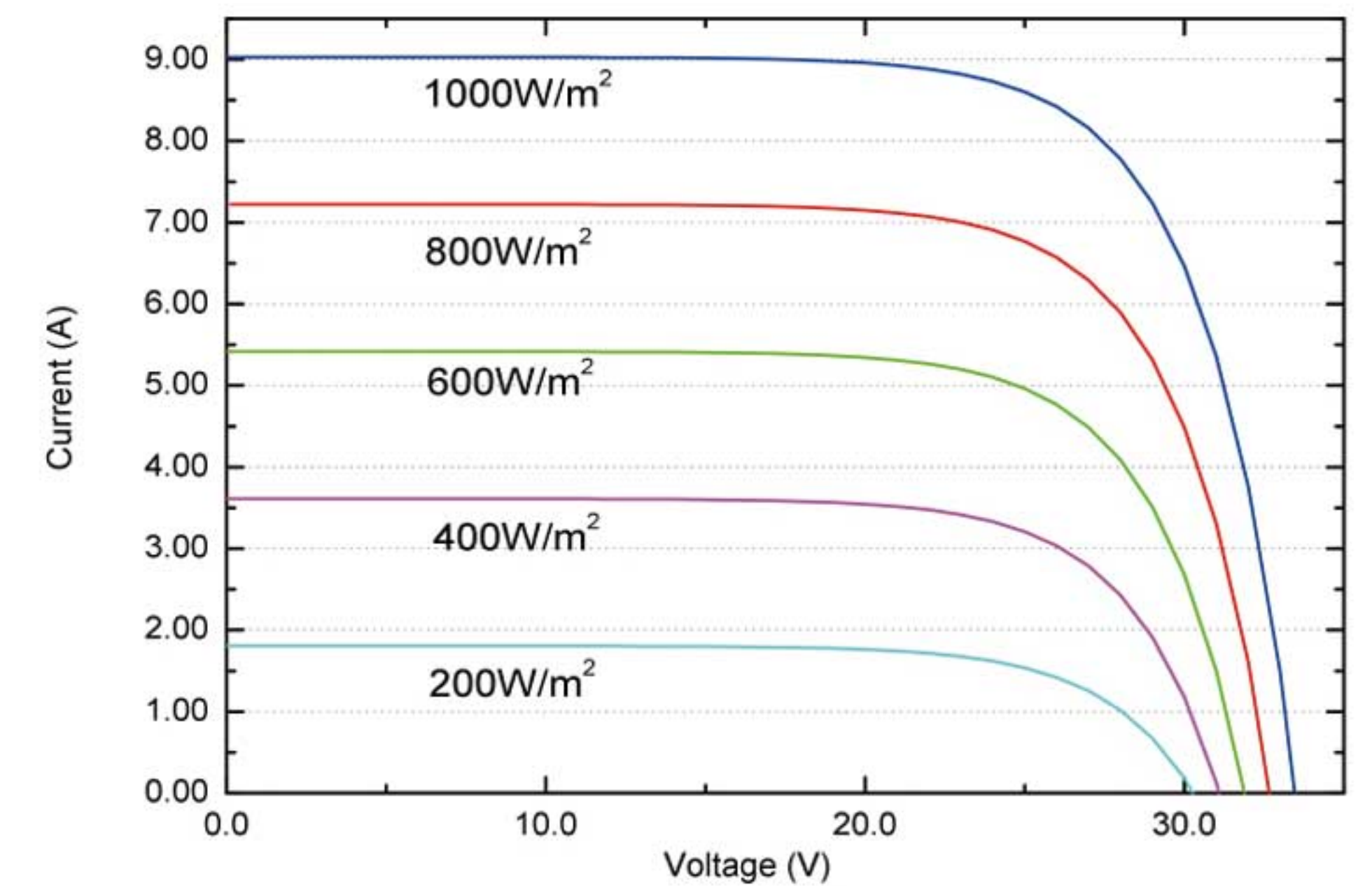
Frame	<input type="checkbox"/> Black
Backsheet	<input type="checkbox"/> Black
Connector	<input type="checkbox"/> Original MC4
Cable	<input type="checkbox"/> Customized
Module Size	<input type="checkbox"/> Customized

PACKING MANNER

Packing Type	40'HQ
Piece/Pallet	36
Pallet/Container	28
Piece/Container	1008

*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

