

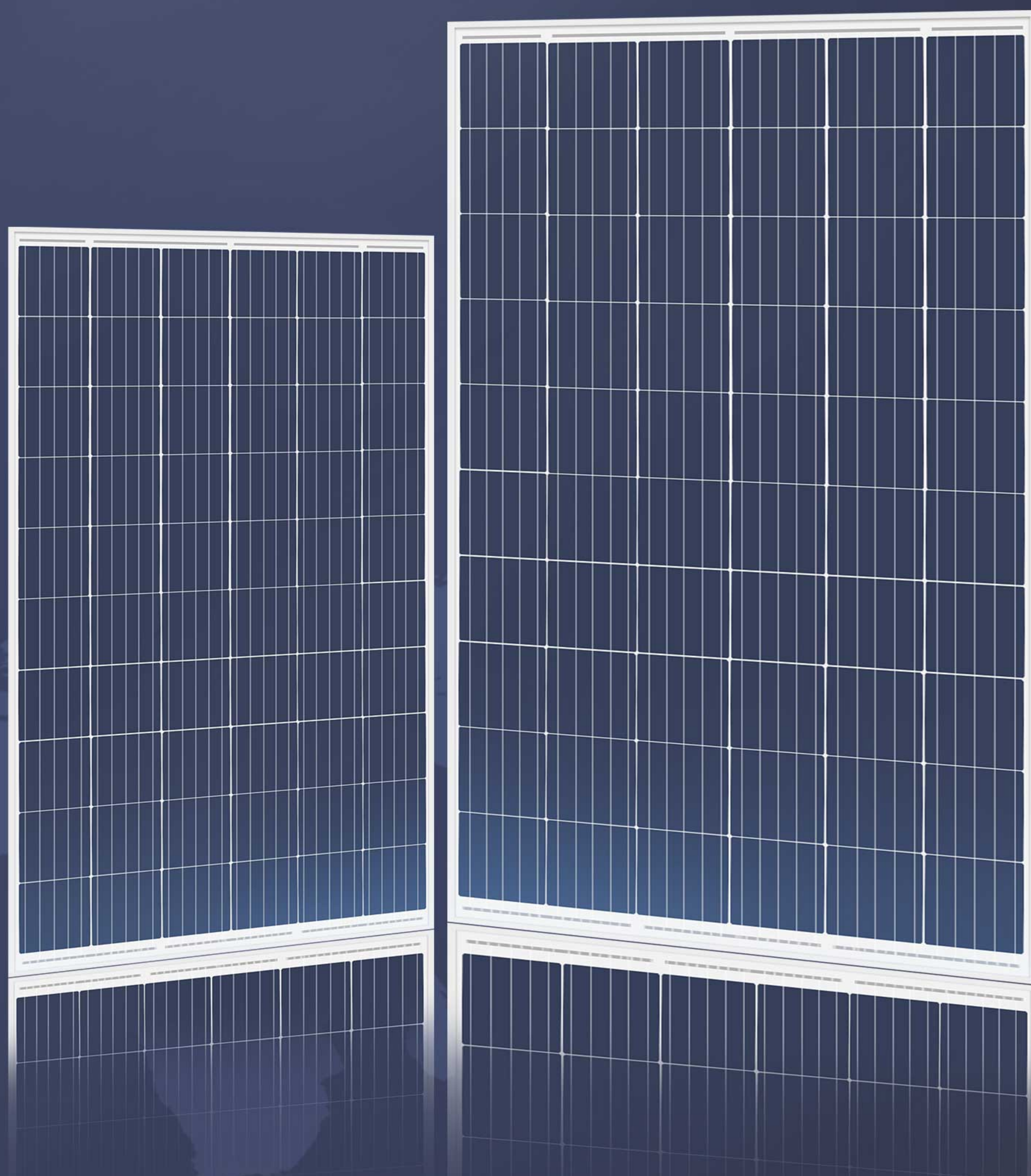
CLASSIC™



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 TECHNOLGY

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 | | ☐ 1000V ☐ 1500V | | | | |
| Maximum Series Fuse Rating | | 15A | | | | |
| Power Telorance | | 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 | 4mm² |
| Length of Cable | 1000mm |
| Connector | PV Connector |

OPTIONAL

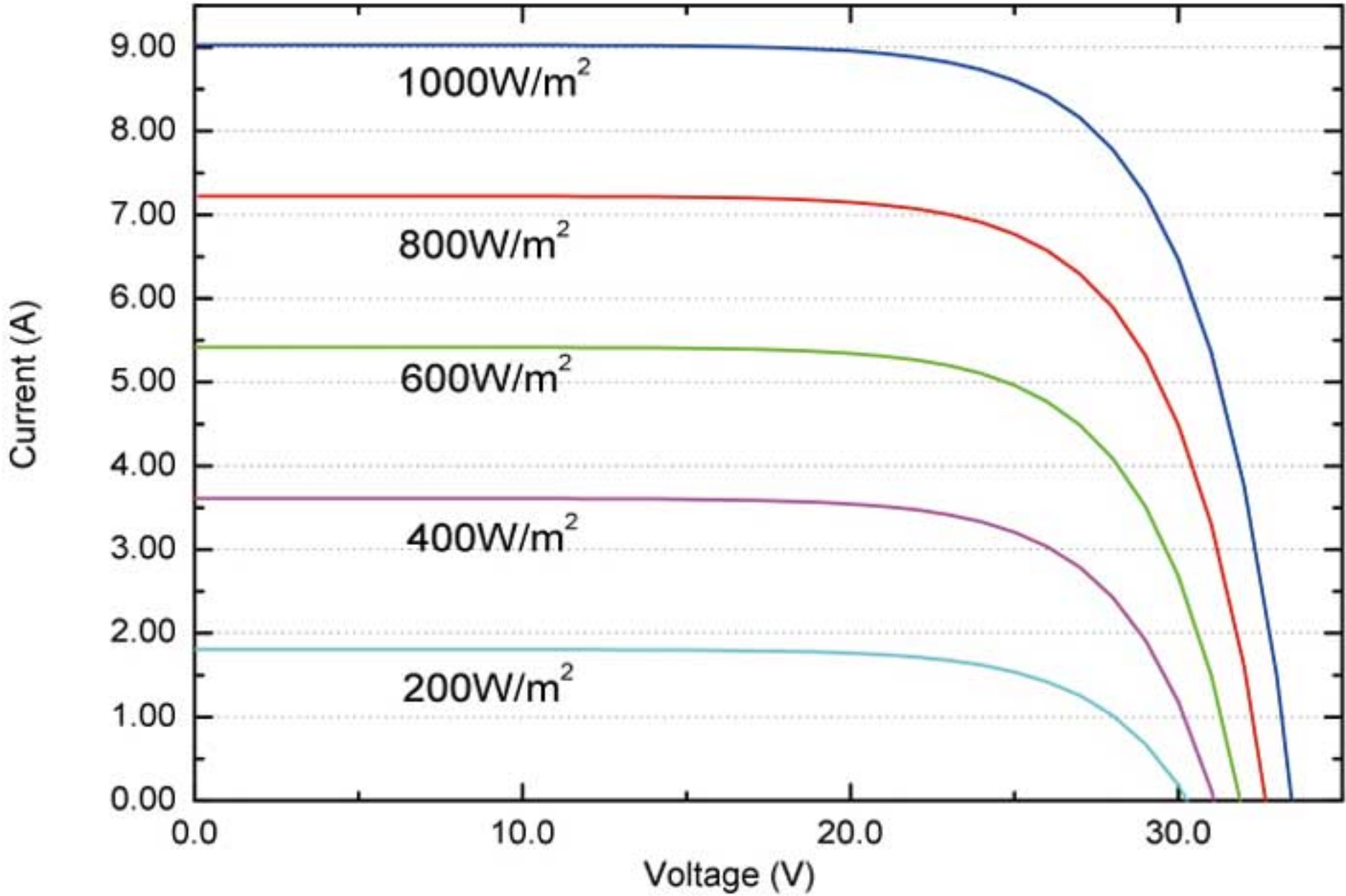
| | |
|-------------|----------------|
| Frame | ☐ Black |
| Backsheet | ☐ Black |
| Connector | ☐ Original MC4 |
| Cable | ☐ Customized |
| Module Size | ☐ Customized |

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 produccets described herein.

Current-Voltage Curve under different irradiance



Current-Voltage Curve under different working temperatures

