

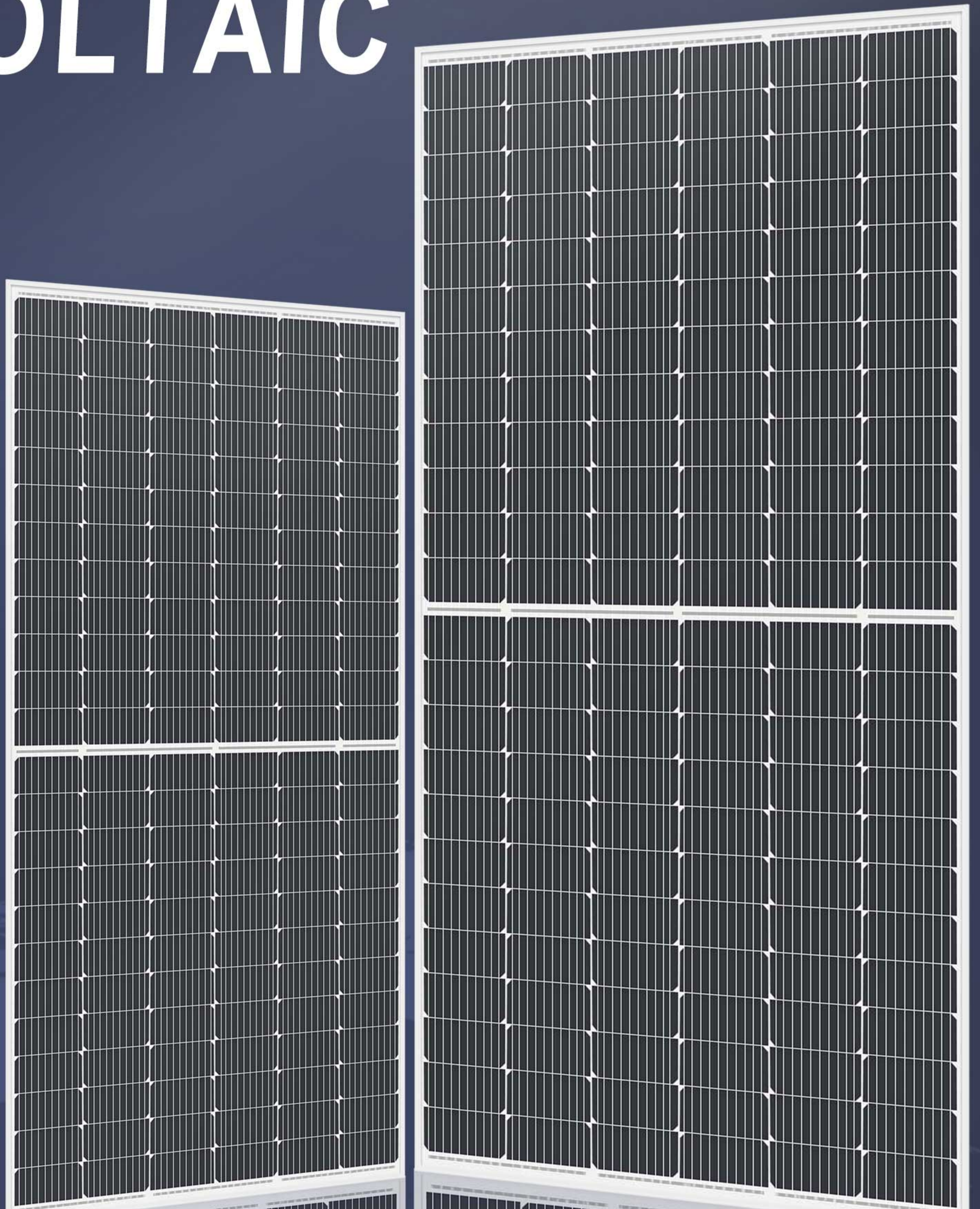
CLASSIC™



ECO-530-550M-72LHC

PHOTOVOLTAIC MODULE

M10 182mm



12 YEARS
PRODUCT MATERIAL &
WORKMANSHIP

25 YEARS 84.8%
LINEAR PERFORMANCE
WARRANTY

INNOVATIONAL
MBB AND
HALF-CUT CELLS
TECHNOLOGY

REDUCE
INTERNAL LOSS
REDUCE
SHADOW LOSS

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 MBB Mono Half-cut 182 Cell PV Module



ECO-530-550M-72LHC

| ELECTRICAL DATA @ STC | | ECO-530M-72 LHC | ECO-535M-72 LHC | ECO-540M-72 LHC | ECO-545M-72 LHC | ECO-550M-72 LHC |
|-----------------------------|-----|-----------------|-----------------|-----------------|-----------------|-----------------|
| Peak Power(Pmax) | (W) | 530 | 535 | 540 | 545 | 550 |
| Maximum Power Voltage (Vmp) | (V) | 41.57 | 41.80 | 42.03 | 42.26 | 42.49 |
| Maximum Power Current(Imp) | (A) | 12.75 | 12.80 | 12.85 | 12.90 | 12.95 |
| Open-circuit Voltage (Voc) | (V) | 49.63 | 49.76 | 49.89 | 50.02 | 50.15 |
| Short-circuit Current(Isc) | (A) | 13.50 | 13.55 | 13.60 | 13.65 | 13.70 |
| Module Efficiency | (%) | 20.53 | 20.73 | 20.92 | 21.12 | 21.31 |
| Operating Temperature | | -40°C~+85°C | | | | |
| Maximum System Voltage | | □1500V | | | | |
| Maximum Series Fuse Rating | | 25A | | | | |
| Power Tolerance | | 0~+3% | | | | |

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

| ELECTRICAL DATA @ NMOT | | ECO-530M-72 LHC | ECO-535M-72 LHC | ECO-540M-72 LHC | ECO-545M-72 LHC | ECO-550M-72 LHC |
|----------------------------|-----|-----------------|-----------------|-----------------|-----------------|-----------------|
| Peak Power(Pmax) | (W) | 401 | 405 | 409 | 413 | 417 |
| MPP Voltage (Vmp) | (V) | 38.45 | 38.65 | 38.88 | 39.07 | 39.27 |
| MPP Current(Imp) | (A) | 10.43 | 10.48 | 10.52 | 10.57 | 10.62 |
| Open Circuit Voltage (Voc) | (V) | 46.16 | 46.28 | 46.40 | 46.52 | 46.64 |
| Short Circuit Current(Isc) | (A) | 11.05 | 11.09 | 11.13 | 11.17 | 11.21 |

*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 | -0.35%/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, 182*91mm |
| Cell Arrangement | 144pcs (2(6*12)) |
| Dimension (L*W*H) | 2278 x 1133 x 35 mm |
| Weight | 27.3kg |
| 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

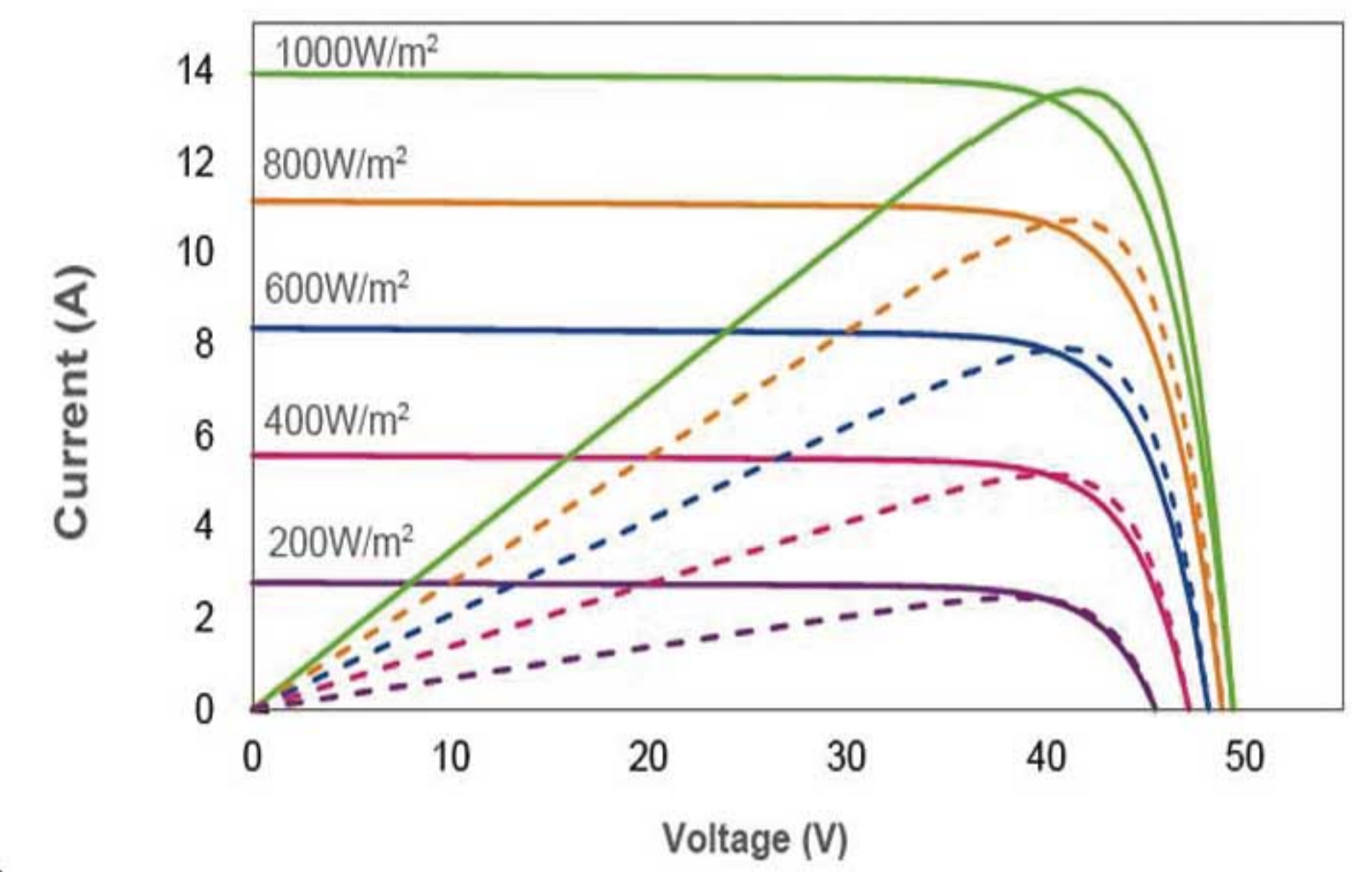
| | |
|-------------|---|
| Frame | <input type="checkbox"/> Black <input type="checkbox"/> Silvery |
| Backsheet | <input type="checkbox"/> Black <input type="checkbox"/> White |
| Connector | <input type="checkbox"/> Original MC4 |
| Cable | <input type="checkbox"/> Customized |
| Module Size | <input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

PACKING MANNER

| | |
|-----------------|-------|
| Packing Type | 40'HQ |
| Piece/Pallet | 31 |
| Piece/Container | 620 |

*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

