



### ABOUT BROPV

BroPV Tech Company Limited is a leading PV manufacturer, which markets its products under the brand of “BROPV”. With over 1 GW module manufacturing capacity and accumulatively 2 GW shipments to the global market, BroPV has become a fully experienced module supplier. With the established sales channel and aftersales service system, BroPV is ready to provide the best quality product and best services to all of our customers globally.

### KEY FEATURES



Tight positive power tolerance of 0W to +5W ensures you receive modules at or above nameplate power and contributes to minimizing module mismatch losses leading to improved system yield



- 10-year limited product warranty\*
- Limited power warranty1: 10 years at 91.2% of the minimal rated power output, 25 years at 80.7% of the minimal rated power output



Excellent mechanical load resistance

- Certified to withstand high wind loads up to 2400Pa
- Certified to withstand snow loads up to 5400Pa



- Anti-reflective and anti-soiling surface reduces power loss from dust
- Salt mist corrosion resistant
- Ammonia corrosion resistant



- Fully conform to certification and regulatory standards
- Potential Induced Degradation (PID) Resistant\*\*
- Modules sorted by current to improve system performance

### COMPREHENSIVE CERTIFICATES

- IEC 61215, IEC 61730, UL1703, CEC Listed, MCS and CE
- ISO 9001: 2008: Quality management systems
- ISO 14001: 2004: Environmental management systems
- BS OHSAS 18001: 2007: Occupational health and safety management systems



Specifications subject to technical changes and tests. BROPV reserves the right of final interpretation

## ELECTRICAL PERFORMANCE

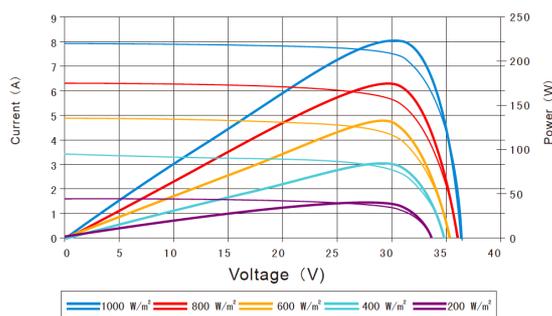
### Electrical Parameters

| TYPE                            | BROPV P240  | BROPV P245 | BROPV P250 | BROPV P255 | BROPV P260 |
|---------------------------------|---|------------|------------|------------|------------|
| Rated maximum Power at STC (W)  | 240   | 245        | 250        | 255        | 260        |
| Open Circuit Voltage (Voc/V)    | 37.5  | 37.5       | 37.6       | 37.7       | 37.7       |
| Maximum Power Voltage (Vmp/V)   | 29.3  | 29.6       | 29.8       | 30.0       | 30.3       |
| Short Circuit Current (Isc/A)   | 8.75  | 8.83       | 8.92       | 9.01       | 9.09       |
| Maximum Power Current (Imp/A)   | 8.18  | 8.28       | 8.39       | 8.49       | 8.59       |
| Module Efficiency (%)           | 14.7  | 15.0       | 15.3       | 15.6       | 15.9       |
| Power Tolerance (W)             | - 0 ~ +5  |            |            |            |            |
| Temperature Coefficient of Isc  | + 0.05%/°C  |            |            |            |            |
| Temperature coefficient of Voc  | - 0.32%/°C  |            |            |            |            |
| Temperature coefficient of Pmax | - 0.42%/°C  |            |            |            |            |
| STC                             | Irradiance 1000W/m <sup>2</sup> , Module Temperature 25°C, Air Mass 1.5 |            |            |            |            |

### NOCT

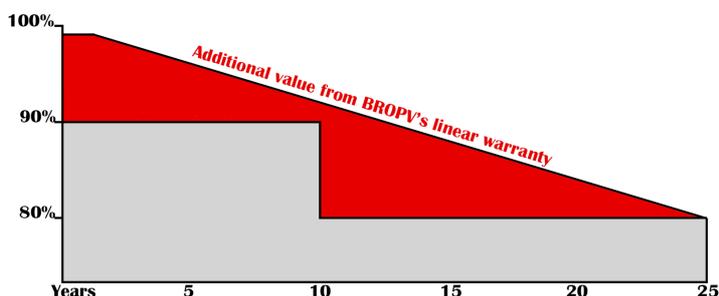
| TYPE                          | BROPV P240   | BROPV P245 | BROPV P250 | BROPV P255 | BROPV P260 |
|-------------------------------|--|------------|------------|------------|------------|
| Max Power (Pmax) [W]          | 240  | 245        | 250        | 255        | 260        |
| Open Circuit Voltage (Voc/V)  | 175.1  | 178.7      | 182.4      | 186.0      | 189.7      |
| Maximum Power Voltage (Vmp/V) | 26.8   | 27.0       | 27.2       | 27.4       | 27.6       |
| Short Circuit Current (Isc/A) | 7.07   | 7.14       | 7.21       | 7.28       | 7.35       |
| Maximum Power Current (Imp/A) | 6.54   | 6.62       | 6.71       | 6.79       | 6.87       |
| Condition                     | Irradiance 800W/m <sup>2</sup> , Module Temperature 20°C, Air Mass 1.5 |            |            |            |            |

### I - V Curve



### Linear Performance Warranty

**10 Year Product Warranty | 25 Year Linear Power Warranty**



## BROPV-P260 SERIES

### GENERAL CHARACTERISTICS

#### Mechanical Parameters

|                                    |                                    |
|------------------------------------|------------------------------------|
| Cell (mm)                          | Poly 156 x 156                     |
| Weight (kg)                        | 18.2 (approx.)                     |
| Dimensions (LxWxH) (mm)            | 1640x992x40                        |
| No. of Cells and Connections       | 60 (6 x 10)                        |
| Front cover (material / thickness) | Low-iron tempered glass / 3.2mm    |
| Encapsulant (material)             | Ethylene vinyl acetate (EVA)       |
| Frame (material / edge sealing)    | Anodized aluminum alloy / Silicone |
| Junction Box                       | IP67, 3 Diodes                     |
| Connector                          | MC4 Compatible                     |

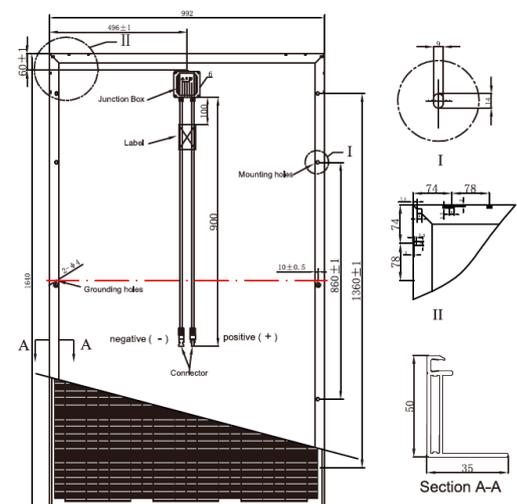
#### Packing Specifications

|   |                |
|---|----------------|
| Number of modules per pallet            | 27             |
| Number of pallets per 40' container     | 28             |
| Packing box dimensions (L x W x H) (mm) | 1665x1105x1117 |
| Box weight (kg)                         | 525            |

#### Operating Conditions

|   |                     |
|---|---------------------|
| Max. system voltage                         | 1000V <sub>DC</sub> |
| Max. series fuse rating                     | 15A                 |
| Limiting reverse current                    | 15A                 |
| Operating temperature range                 | -40°C to 85°C       |
| Max. static load, front (e.g. snow)         | 5400Pa              |
| Max. static load, back (e.g. wind)          | 2400Pa              |
| Max. hailstone impact (diameter / velocity) | 25mm / 23m/s        |

### Engineering Drawing



\*Please refer to Product warranty for detail. \*\*PID free modules are only available upon request. \*\*\*Due to continuous innovation, research and product improvement, the specifications in this product information sheet are subject to change without prior notice. The specifications may deviate slightly and are not guaranteed. \*\*\*\*The data do not refer to a single module and they are not part of the offer, they only serve for comparison to different module types.