

1.3 BIPV Panel

Key product features:

Translucent uniform penetration of different spectral selectivity, good low-light effect, can be widely used in agriculture greenhouse.



1.3.1 Back electrode translucent Panel

| HNS-BS30/BD40/BT55TB | | | |
|--|--|-------|------|
| CHARACTERISTIC | | | |
| Panel Type | PIN a-Si/Ge Cell, Glass-glass/Side J-box /see-through module | | |
| ELECTRICAL PERFORMANCE | | | |
| Transmittance | 40% | 20% | 10% |
| Maximum Power (W) | 30 | 40 | 55 |
| Maximum Power Voltage (V) | 20 | 46 | 67 |
| Maximum Power Current (A) | 1.5 | 0.87 | 0.82 |
| Output Circuit Voltage (V) | 31 | 58 | 84 |
| Short Circuit Current (A) | 2 | 1.08 | 0.99 |
| Power Output Tolerance (W) | ± 1 | ± 1.5 | ± 2 |
| Maximum System voltage (V) | 1000 | | |
| Maximum Series Fuse Rating (A) | 3 | | |
| TEMPERATURE COEFFICIENTS | | | |
| Temperature Coefficient of Isc (/ °C) | 0.02% | | |
| Temperature Coefficient of Voc (/ °C) | -0.20% | | |
| Temperature Coefficient of Pmpp (/ °C) | -0.19% | | |
| MECHANICAL SPECIFICATION | | | |
| Length (mm) | 1245 | | |
| Width (mm) | 635 | | |
| Height (mm, Junction Box not included) | 9.7 | | |
| Weight (kg) | 18.6 | | |
| Area (m ²) | 0.79 | | |
| Junction box Type | Side Junction box | | |
| Thickness of Junction Box(mm) | 12.6 | | |
| Junction Box Class | IP67 | | |
| Cable Length (mm) | 450 | | |
| Materials | PVB | | |
| Front cover | 3.2mm TCO | | |
| Back cover | 6.0mm Semi-tempered/ Tempered glass | | |

