



ASEC-18G6S_(NEW)

Monocrystalline Silicon Photovoltaic Module

- High power module using 6” monocrystalline solar cell.
- 48 solar cells and connection in series.
- 14.39% module conversion efficiency.
- Bypass diode minimizes power drop by shade.
- Using optical low iron tempered glass, EVA laminate and Tedlar backsheet.
- Anodize aluminum frame protected.
- Manufactured in ISO 9001 : 2000 certified facility.
- 25-years limited warranty on power output.
- UL certified.

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| <p>This product specification is confirmed by client.</p> <p style="text-align: right;">_____</p> <p style="text-align: right;">Client Confirmed</p> | <p>08Z004</p> |

ELECTRO-OPTICAL CHARACTERISTICS

| P/N | ASEC-18G6S(NEW) | | | |
|-----------------------|-----------------|-------|------|-------------------------------------|
| Parameters | Symbol | Typ | Unit | Condition |
| Maximum power | Pmax | 180 | W | Irradiance: 1000W/m ² |
| Maximum power voltage | Vpm | 23.44 | V | |
| Maximum power current | Ipm | 7.68 | A | |
| Open circuit voltage | Voc | 29.51 | V | |
| Short circuit current | Isc | 8.32 | A | Module Temperature 25°C |
| Module efficiency | ηm | 14.39 | % | |

SPECIFICATIONS

| | |
|------------------------------|-----------------|
| No. of cells and connections | 48 in series |
| Maximum system voltage | DC 600V |
| Series fuse rating | 15A |
| Maximum power | 180W |
| Dimensions | 1319x989x47.5mm |
| Weight | 15.7kg |

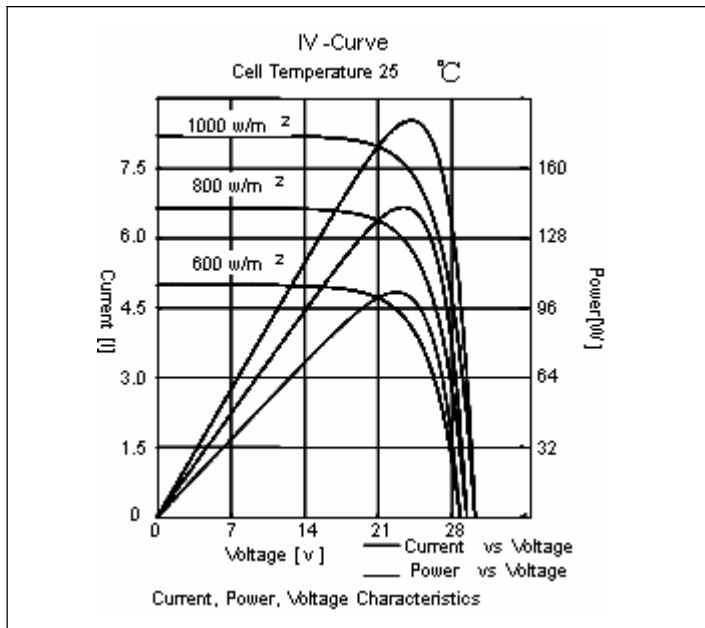
ABSOLUTE MAXIMUM RATINGS

| Parameters | Rating | Unit |
|-----------------------|------------|------|
| Operating temperature | -40 to +90 | °C |
| Storage temperature | -40 to +90 | °C |

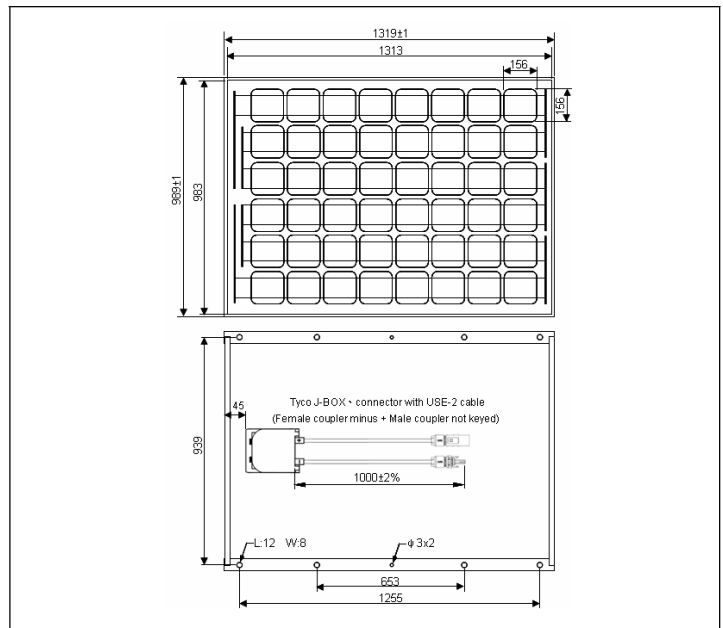
TEMPERATURE COEFFICIENTS

| | |
|------|-------------|
| Pmax | -0.5028 %/K |
| Voc | -0.3313 %/K |
| Isc | 0.03456%/K |

CHARACTERISTICS



OUTLINE DIMENSIONS



Specifications are subject to change without notice.

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