



## FEATURES

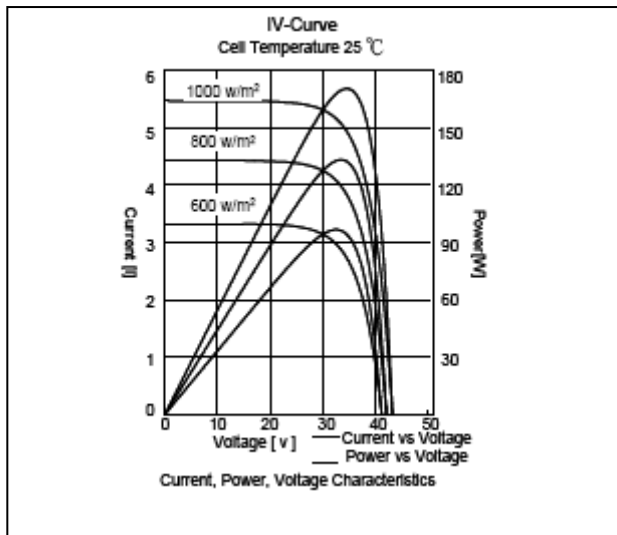
- High power module using 5 monocrystalline solar cell.
- 72 solar cells and connection in series
- 14.75% module conversion efficiency.
- Bypass diode minimizes power drop by shade.
- Using optical low iron tempered glass, EVA laminate and Tedlar backsheet.
- Anodize aluminum frame protected.
- Manufactured in ISO 2001: 2000 certified facility.
- 20-year limited warranty on power output.

| ELECTRO-OPTICAL CHARACTERISTICS |                 |       |      |                                      |
|---------------------------------|-----------------|-------|------|--------------------------------------|
| P/N                             | BTT180M(180G5S) |       |      |                                      |
| PARAMETERS                      | SYMBOL          | TYPE  | UNIT | CONDITION                            |
| Maximum power                   | Pmax            | 180   | W    | Irradiance:<br>1000 W7M <sup>2</sup> |
| Maximum power voltage           | Vpm             | 36.80 | V    |                                      |
| Maximum power current           | Ipm             | 4.89  | A    |                                      |
| Open circuit voltage            | Voc             | 44.87 | V    | Module                               |
| Short circuit current           | Isc             | 5.26  | A    | Temperature                          |
| Module efficiency               | m               | 14.75 | %    | 25 C                                 |

| SPECIFICATIONS         |                 |
|------------------------|-----------------|
| No. of cells and       | 72 in series    |
| Maximum system voltage | DC 1000V        |
| Series fuse rating     | 10A             |
| Maximum power          | 180W            |
| Dimensions             | 1580x808x47.5mm |
| Weight                 | 17kg            |

| ABSOLUTE MAXIMUM RATINGS |            |      |
|--------------------------|------------|------|
| PARAMETERS               | RATING     | UNIT |
| Operating temperature    | -40 to +90 | C    |
| Storage temperature      | -40 to +90 | C    |

## CHARACTERISTICS



## OUTLINE DIMENSIONS

