

## ■ FDS-080P-12

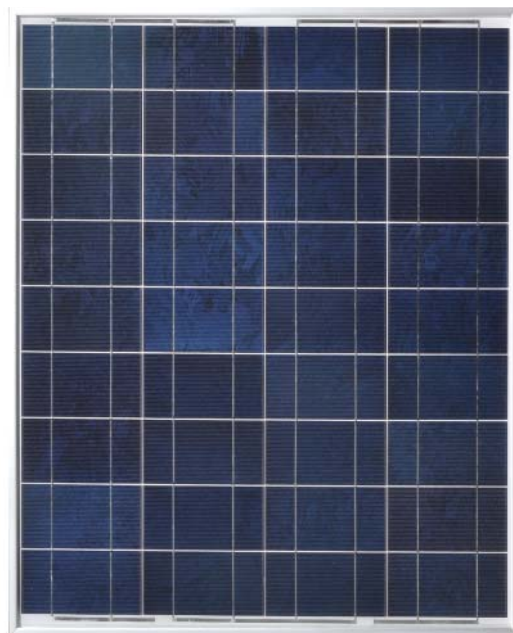
### Temperature Coefficients

|                                      |                         |
|--------------------------------------|-------------------------|
| NOCT                                 | 45 $\pm$ 2 $^{\circ}$ C |
| Voltage temperature coefficient(Voc) | -0.36%/ $^{\circ}$ C    |
| Current temperature coefficient(Isc) | +0.033%/ $^{\circ}$ C   |
| Power temperature coefficient(Pmpp)  | -0.44%/ $^{\circ}$ C    |
| Minimum power tolerance              | $\pm$ 3%                |

NOCT:Nominal Operating cell Temperature

### Mechanical Data

|             |                                                     |
|-------------|-----------------------------------------------------|
| Solar Cell  | 36(4 $\times$ 9) Poly-crystalline 156 $\times$ 87mm |
| Front Glass | 3.2mm tempered                                      |
| Frame       | Anodized aluminium                                  |



### Electrical Data

|                            |                                      |
|----------------------------|--------------------------------------|
| Module type                | <b>FDS-080-12</b>                    |
| Nominal peak power(Wp)     | 80W                                  |
| Nominal voltage(Vmp)       | 17.5V                                |
| Nominal current(Imp)       | 4.58A                                |
| Open-circuit voltage(Voc)  | 22.0V                                |
| Short-circuit current(Isc) | 5.08A                                |
| Module efficiency          | 14.4%                                |
| Operating temperature      | -40 $^{\circ}$ C to +85 $^{\circ}$ C |
| Maximum system voltage     | 1000V DC                             |
| Weight                     | 6.7kg                                |
| Dimension                  | 845 $\times$ 660 $\times$ 35 mm      |

STC:1000W/m $^2$  25 $^{\circ}$ C

