



ELECTRICAL PARAMETERS

Performance at STC (Power Tolerance 0 ~ +3%)

| | | | | | |
|-------------------------------|-------|-------|-------|-------|-------|
| Maximum Power (Pmax/W) | 425 | 430 | 435 | 440 | 445 |
| Operating Voltage (Vmpp/V) | 43.4 | 43.5 | 43.6 | 43.7 | 43.9 |
| Operating Current (Impp/A) | 9.80 | 9.89 | 9.98 | 10.07 | 10.14 |
| Open-Circuit Voltage (Voc/V) | 53.0 | 53.1 | 53.2 | 53.3 | 53.5 |
| Short-Circuit Current (Isc/A) | 10.37 | 10.43 | 10.50 | 10.56 | 10.63 |
| | 19.5 | 19.7 | 19.9 | 20.2 | 20.4 |

Performance at NMOT

| | | | | | |
|-------------------------------|------|------|------|------|------|
| Maximum Power (Pmax/W) | 317 | 320 | 324 | 328 | 332 |
| Operating Voltage (Vmpp/V) | 40.4 | 40.6 | 40.7 | 40.9 | 41.1 |
| Operating Current (Impp/A) | 7.86 | 7.91 | 7.97 | 8.03 | 8.09 |
| Open-Circuit Voltage (Voc/V) | 49.3 | 49.4 | 49.5 | 49.6 | 49.8 |
| Short-Circuit Current (Isc/A) | 8.37 | 8.42 | 8.48 | 8.52 | 8.58 |

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5 NMOT: Irradiance at 800W/m², Ambient Temperature 20°C, Air Mass AM1.5, Wind Speed 1m/s

MECHANICAL SPECIFICATION

| | |
|---------------------------|---|
| Cell Type | Monocrystalline |
| Cell Dimensions | 158.75*158.75mm |
| Cell Arrangement | 156 (6*26) |
| Weight | 25kg (55.0lbs) |
| Module Dimensions | 2172*1002*35mm (85.51*39.45*1.38inches) |
| Cable Cross Section Size | TUV: 4mm ² (0.006inches ²)/UL: 12AWG |
| Front Glass | 3.2mm (0.13inches) AR Coating Tempered Glass |
| No. of Bypass Diodes | 3/6 |
| Packing Configuration (1) | 30pcs/carton, 600pcs/40hq |
| Packing Configuration (2) | 30+4pcs/carton, 640pcs/40hq |
| Frame | Anodized Aluminium Alloy |
| Junction Box | IP68 |

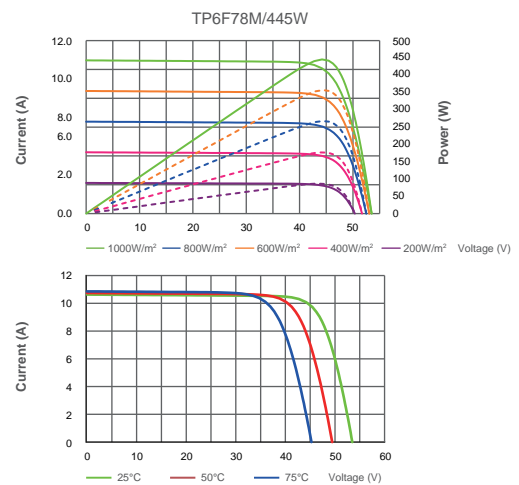
OPERATING CONDITIONS

| | |
|------------------------|---------------------|
| Maximum System Voltage | 1000V/1500V/DC(IEC) |
| Operating Temperature | -40°C ~ +85°C |
| Maximum Series Fuse | 20A |
| Static Loading | 5400pa |
| Conductivity at Ground | |
| Safety Class | II |
| Resistance | |
| Connector | MC4 Compatible |

TEMPERATURE COEFFICIENT

| | |
|------------------------------|------------|
| Temperature Coefficient Pmax | -0.36%/°C |
| Temperature Coefficient Voc | -0.26%/°C |
| Temperature Coefficient Isc | +0.043%/°C |
| NMOT | 43±2°C |

I-V CURVE



TECHNICAL DRAWINGS

