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| **NOCT** | **STP280-24/Vd** | **STP275-24/Vd** |
| Maximum Power (W) | 204 W | 201 W |
| Maximum Power Voltage (V) | 32.0 V | 31.9 V |
| Maximum Power Current (A) | 6.39 A | 6.29 A |
| Open Circuit Voltage (Voc) | 40.8 V | 40.7 V |
| Short Circuit Current (Isc) | 6.74 A | 6.68 A |
| Efficiency Reduction  (from 1000 W/m2 to 200 W/m2) | <4.5% | <4.5% |

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| Solar Cell | Polycrystalline 156 × 156 mm (6 inches) |
| No. of Cells | 72 (6 × 12) |
| Dimensions | 1956 × 992 × 50 mm (77.0 × 39.1 × 2.0 inches) |
| Weight | 27 kgs (59.5 lbs.) |
| Front Glass | 4.0 mm (0.16 inches) tempered glass |
| Frame | Anodized aluminium alloy |
| Junction Box | IP67 rated |
| Output Cables | H+S RADOX® SMART cable 4.0 mm2 (0.006 inches2), symmetrical lengths (-) 1100 mm (39.4 inches) and (+) 1100 mm (39.4 inches), RADOX® SOLAR integrated twist locking connectors |

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| 1000 W/m2 | 800 W/m2 600 W/m2 | 400 W/m2 | 200 W/m2 |
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| Nominal Operating Cell Temperature (**NOCT**) | 45±2°C |
| Temperature Coefficient of Pmax | -0.47 %/°C |
| Temperature Coefficient of Voc | -0.34 %/°C |
| Temperature Coefficient of Isc | 0.045 %/°C |

**Current-Voltage & Power-Voltage Curve (280-24)**

9

8

7

6

5

4

3

2

1

0

300

250

200

150

100

50

0

Current (A)

Power (W)

Voltage (V)

0

10 20 30 40

NOCT: Irradiance 800 W/m2, ambient temperature 20 °C, wind speed 1 m/s

**Mechanical Characteristics**

**Temperature Characteristics**

**EN-STD-Vd-NO1.01-Rev 2010**

**www.suntech-power.com |**

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| **Dealer information box** |

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| **Container** | **20’ GP** | **40’ GP** | **40’ HC** |
| Pieces per pallet | 21 | 21 | 21 |
| Pallets per container | 6 | 12 | 24 |
| Pieces per container | 126 | 252 | 504 |

**Packing Configuration**

Specifications are subject to change without further notification