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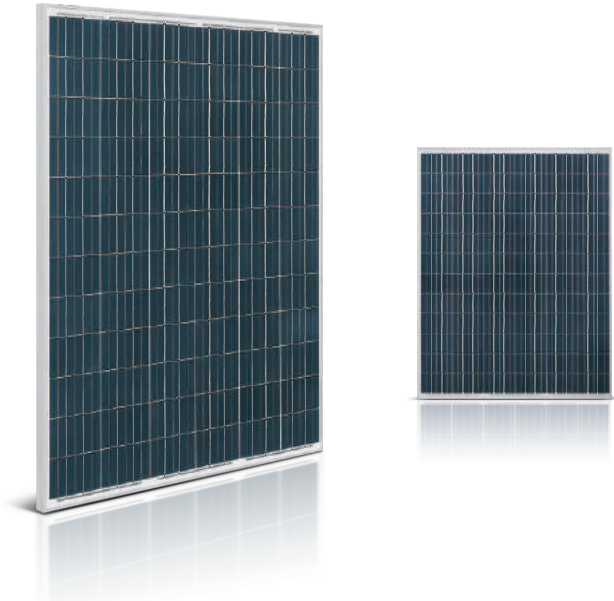
Solar Panel Guide Specification Data Sheet

**Guangdong Prostar New Energy Technology Co.,
Ltd.**

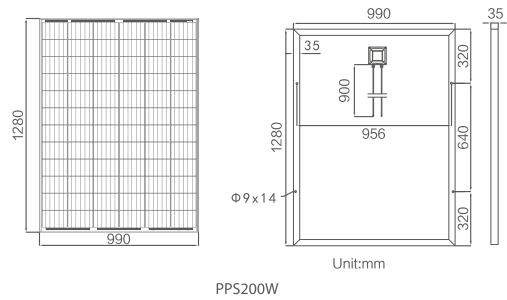
PPS180-220W

PPS210W

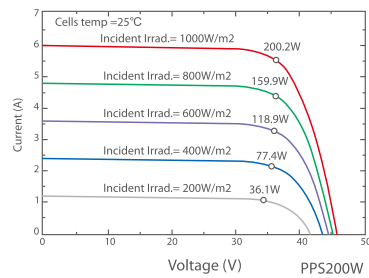
Also available on the web at
EnergyPal.com/guangdong-prostar-new-energy-technology-co-ltd-solar-panels/pps210w



Engineering Drawings 装配图



Current-Voltage Curves 曲线图



Technical Specifications 技术参数

| Model | PPS180W | | PPS190W | | PPS200W | | PPS210W | | PPS220W | |
|--|---|-------|-------------|-------|-------------|----------------------------------|-------------|-------|-------------|-------|
| Electrical Characteristics 电性能 | | | | | | | | | | |
| | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Maximum Power (Pmax) | 180Wp | 132Wp | 190Wp | 140Wp | 200Wp | 147Wp | 210Wp | 154Wp | 220Wp | 162Wp |
| Maximum Power Voltage (Vmpp) | 36.0V | 33.3V | 36.0V | 33.3V | 36.0V | 33.3V | 36.0V | 33.3V | 36.0V | 33.3V |
| Maximum Power Current (Impp) | 5.00A | 3.97A | 5.28A | 4.20A | 5.56A | 4.41A | 5.83A | 4.63A | 6.11A | 4.87A |
| Open Circuit Voltage (Voc) | 45.0V | 42.4V | 45.0V | 42.4V | 45.0V | 42.4V | 45.0V | 42.4V | 45.0V | 42.4V |
| Short Circuit Current (Isc) | 5.40A | 4.36A | 5.70A | 4.59A | 6.00A | 4.84A | 6.30A | 5.08A | 6.60A | 5.32A |
| Power Tolerance(Positive) | 5% | | 5% | | 5% | | 5% | | 5% | |
| Module Efficiency STC | 15.54% | | 15.73% | | 15.78% | | 16.07% | | 15.87% | |
| Operating Temperature Range | -40°C to +85°C | | | | | | | | | |
| Maximum System Voltage | 1000V | | | | | | | | | |
| Series Fuse Rating | 15A | | | | | | | | | |
| Temperature Coefficient of Pmax | -0.40%/°C | | | | | | | | | |
| Temperature Coefficient of Voc | -0.30%/°C | | | | | | | | | |
| Temperature Coefficient of Isc | 0.05%/°C | | | | | | | | | |
| Nominal Operating Cell Temperature(NOCT) | 45±2°C | | | | | | | | | |
| Mechanical Characteristics 机械性能 | | | | | | | | | | |
| Cell Type | Polycrystalline 156x156 mm | | | | | | | | | |
| Cell Number | 36 (4x9) | | | | | 72(6×12) | | | | |
| Dimensions (mm) | 990x1170x35 | | 990x1220x35 | | 990x1280x35 | | 990x1320x35 | | 990x1400x35 | |
| Weight(Kgs) | 11.50 | | 12.30 | | 12.50 | | 13.50 | | 14.50 | |
| Front Glass | 3.2 mm, High Transmission, Low Iron, Tempered Glass | | | | | | | | | |
| Frame Type | Anodized Aluminium Alloy | | | | | | | | | |
| Junction Box Protection Class | IP 67 Rated | | | | | | | | | |
| Connector Type | MC4 | | | | | | | | | |
| Output Cables | 2.5 mm ² , Length:900 mm | | | | | 4.0mm ² ,Length:900mm | | | | |

STC: Irradiance 1000W/m² Cell Temperature 25°C AM=1.5

NOCT: Irradiance 800W/m² Ambient Temperature 20°C AM=1.5 Wind Speed 1m/s

* Remarks:Products specifications are subject to change without notice.