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160W/18V Monocrystalline silicon solar module specifications

| Module number | JGN-160M-36 |
|-------------------------------------------|-----------------------------------------------------------------|
| Peak power / Pm(W) | 160±3% |
| Open circuit voltage / Voc(V) | 21.6 |
| Max. power voltage / Vmp(V) | 18.0 |
| Max. power current / Imp(A) | 8.89 |
| Short circuit current / Isc(A) | 9.96 |
| Solar cells origin | Taiwan |
| Solar cells efficiency | over 18.0% |
| Grade of solar cells | A grade |
| Dimensions(L*W*T) / Weight(kgs) | 1480*670*35mm/9.5kgs |
| Solar cell / No. of cells and connections | monocrystalline silicon / 36-cell in series |
| Front cover(material/thickness) | Low-iron tempered glass / 3.2mm |
| Encapsulation(material) | Ethylene Vinyl Acetate(EVA) |
| Frame(material/color) | Anodized aluminium alloy / Silver |
| Junction box protection degree | ≥IP65 |
| Cable /Cable connector Model | 900mm solar cable with MC4 connectors |
| Standard Testing Conditions | Irradiance:1000W/m2, Cell temperature:25℃, AM:1.5(air mass). |
| Max. static load, front(e. g.: snow/wind) | 5400Pa |
| Max. static load, back(e. g.: wind) | 2400Pa |
| Max. hailstone impact (diameter/velocity) | 25mm; 23m/s |
| Max. series fuse rating (A) | 12A |
| Max. system voltage (V) | 1000V DC |
| Application Class | Class A |
| NOCT | 45±2℃ |
| Operating temperature range | -40℃- +85℃ |
| Power temperature coefficient | -0.45%/℃ |
| Current temperature coefficient | 0.08%/℃ |
| Voltage temperature coefficient | -0.37%/℃ |
| Lifespan | ≥25 years |
| Warranty | Power output warranty: 10 years over 90%, 25 years over 80%; |
| Product Certifications / Standards | CE, IEC61215 |
| Other Certifications | ISO9001:2008, RoHS |

