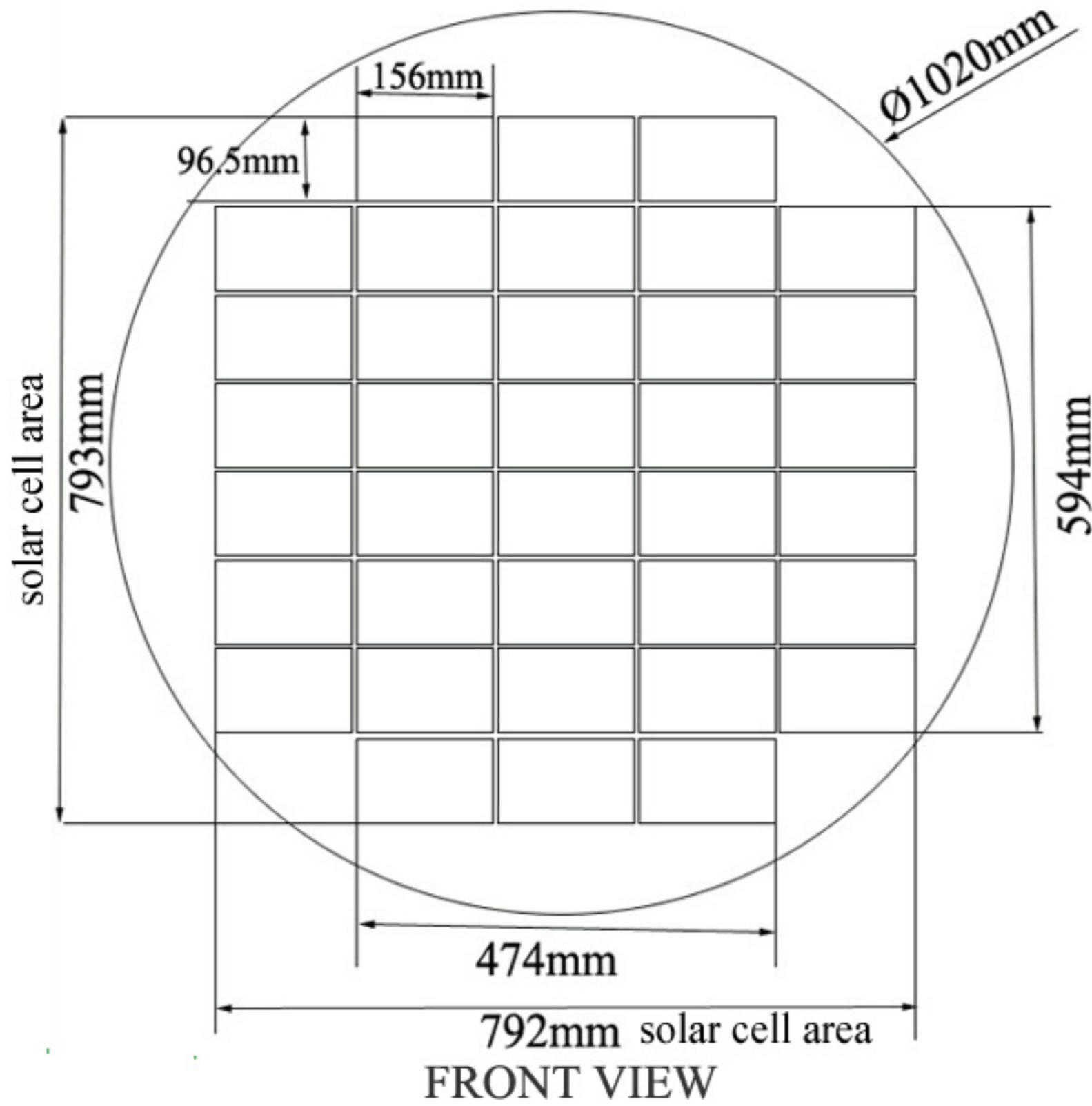




CHINA SOLAR LTD

80W CIRCULAR SOLAR PANEL



SIDE VIEW



BACK VIEW

ELECTRICAL CHARACTERISTICS

| | | | |
|---|------------------------------------|-----------------------|-------|
| Power | 80W | | |
| Operating Voltage | 18V | Open Circuit Voltage | 21.6V |
| Operating Current | 4.44A | Short Circuit Current | 4.84A |
| Type of solar cell | Monocrystalline Silicon Solar Cell | | |
| Power Tolerance | ±5% | | |
| STC: Irradiance 1000W/m ² , Module temperature: 25°C, AM=1.5 | | | |

TEMPERATURE COEFFICIENTS

| | |
|---|------------------|
| Nominal Operating Cell Temperature (NOCT): 45°C±2°C | |
| Temp.Coefficient of Isc | (0.045±0.01)%/°C |
| Temp.Coefficient of Voc | -(0.34±0.01)/°C |
| Temp.Coefficient of Power | -(0.47±0.05)%/°C |

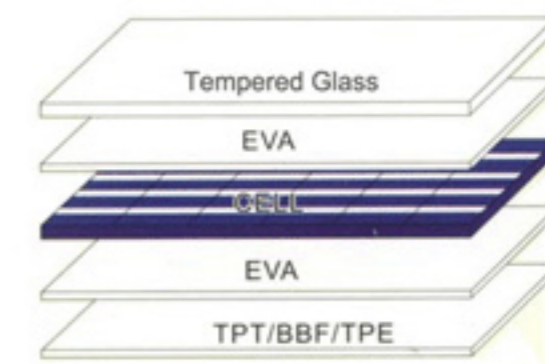
TESTED OPERATING CONDITIONS

| | |
|-----------------------|--|
| Max load | 50psf 245kg/m ² (2400)pascals |
| Hailstone impact | 25mm(1inch) at 23m/s(52mph) |
| Operating Temperature | -40° C to + 85° C |

MECHANICAL SPECIFICATIONS

| | |
|----------------------------|----------------------------------|
| Dimensions | Ø1020mm, Thickness:4.5mm |
| Encapsulation | Glass/EVA/Cells/EVA/TPT |
| Front Glass | Tempered Glass, thickness: 3.2mm |
| Frame | Without frame, With junction box |
| Efficiency | ≥18% |
| Dimension Tolerance ±0.2mm | |

FIGURE OF STRUCTURE



WARRANTIES

Power output more than 90% for 10years
Power output more than 80% for 20years

THE TECHNICAL FILES PROVIDED BY CHINA SOLAR LTD

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