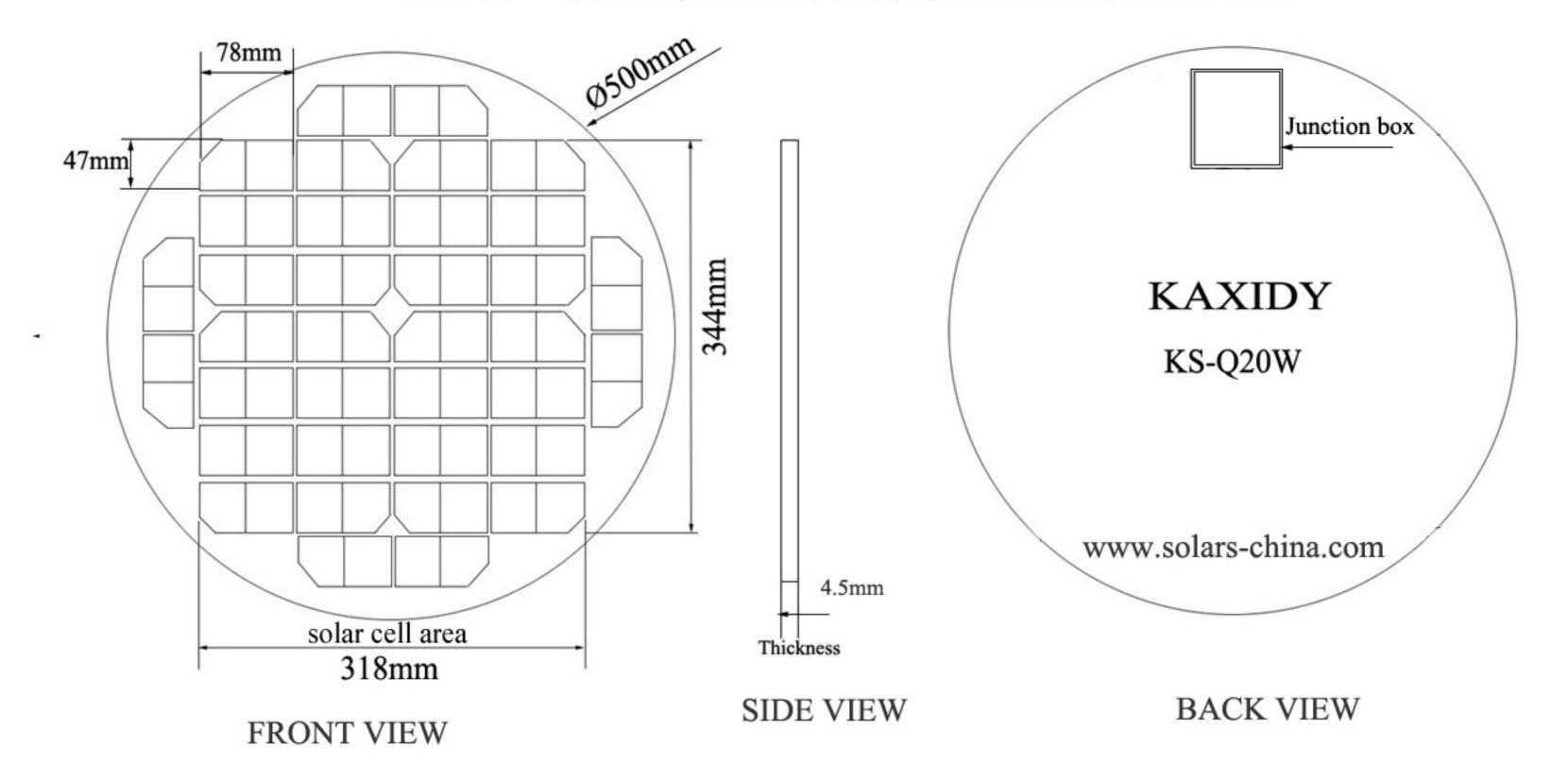


CHINA SOLAR LTD

20W CIRCULAR SOLAR PANEL



ELECTRICAL CHARACTERISTICS				
Power	20W			
Operating Voltage	18V	Open Circuit Voltage	21.6V	
Operating Current	1.11A	Short Circuit Current	1.21A	
Type of solar cell	Monocrystalline Silicon Solar Cell			
Power Tolerance	±5%			
CTC. I 1000W/m² Madala tamana 25°C AM-15				

STC: Irradiance 1000W/m², 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)%/℃
Temp.Coefficient of Voc	-(0.34±0.01)/°C
Temp.Coefficient of Power	-(0.47±0.05)%/°C

TESTED OPERATING CONDITIONS

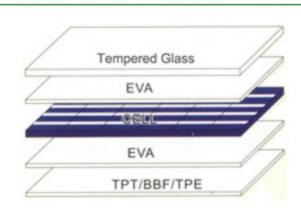
Max load	50psf 245kg/m² (2400)pascals
Hailstone impact	25mm(1inch) at 23m/s(52mph)
Operating Temperature	-40° C to + 85° C

MECHANICAL SPECIFICATIONS

Dmensions	Ø500mm, Thickness:4.5mm
Encapsulation	Glass/EVA/Cells/EVA/TPT
Front Glass	Tempered Glass, thickness: 3.2mm
Frame	Without frame, With junction box
Efficiency	≥18%

Dmension 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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