



CHINA SOLAR

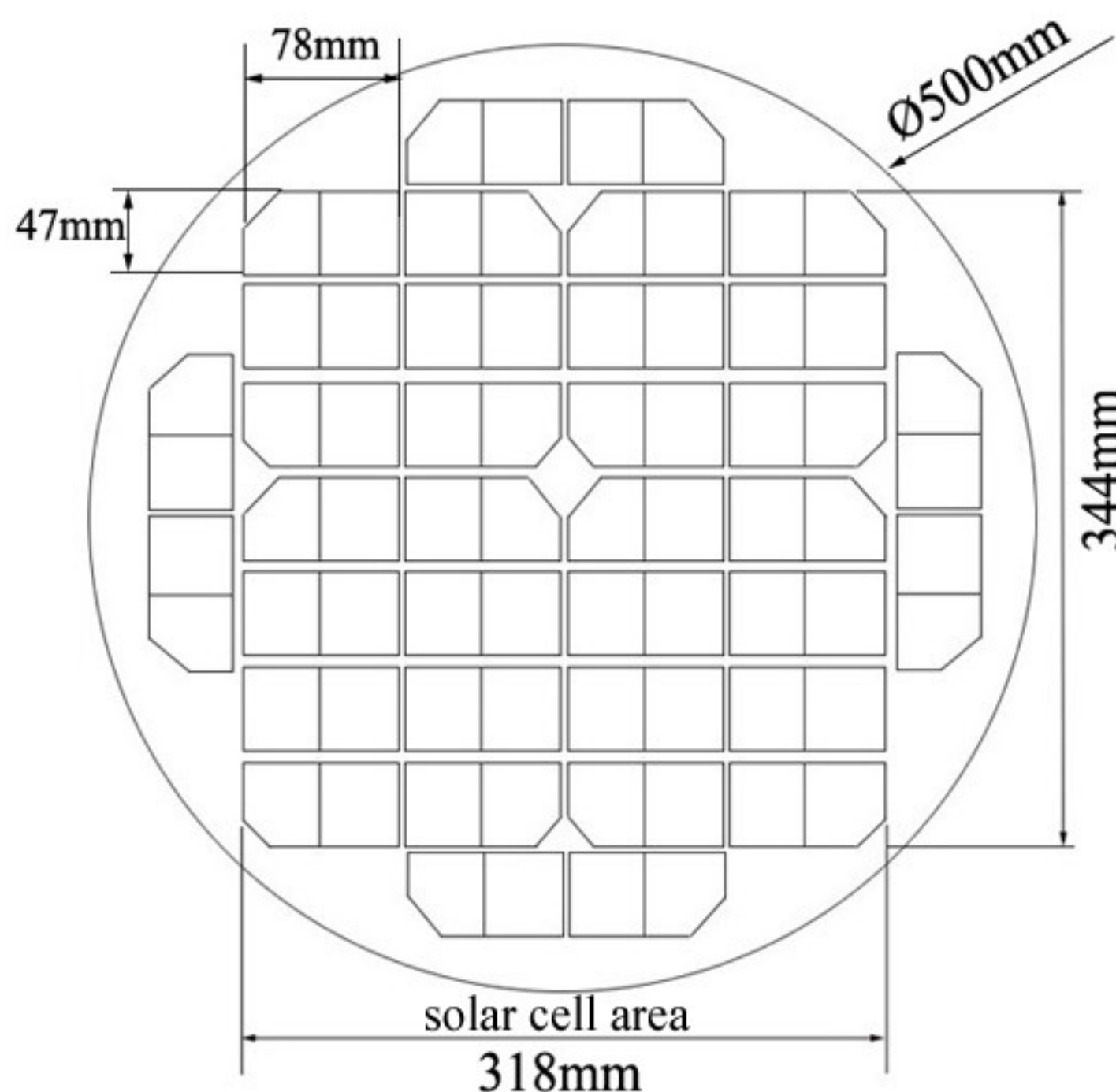
CHINA SOLAR

CHINA SOLAR LTD

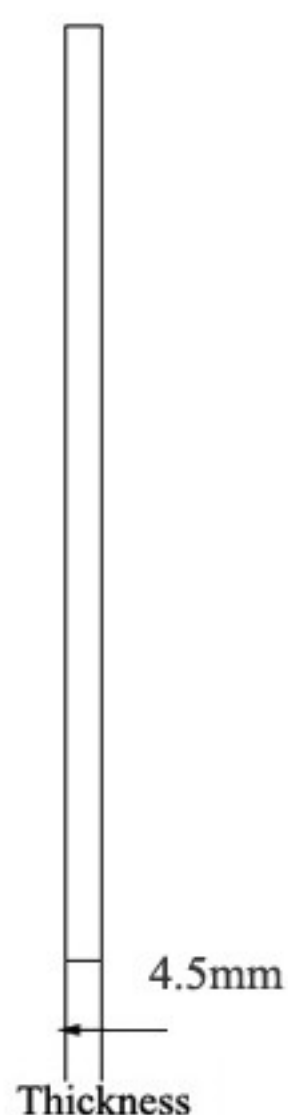
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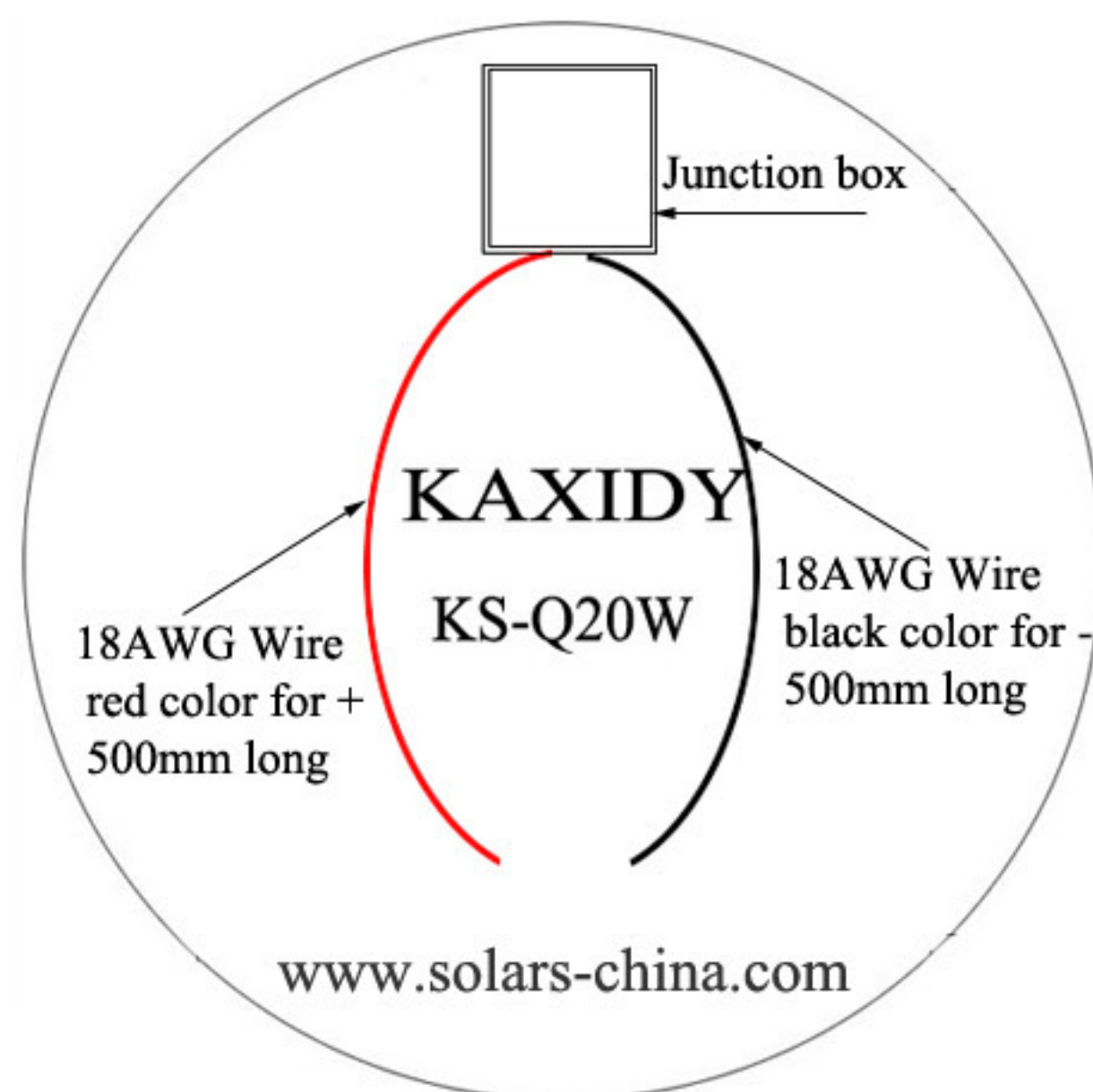
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20W CIRCULAR SOLAR PANEL

FRONT VIEW



SIDE VIEW



BACK VIEW

ELECTRICAL CHARACTERISTICS

Power	20W
Operating Voltage	18V
Operating Current	1.11A
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 I _{sc}	(0.045±0.01)%/°C
Temp. Coefficient of V _{oc}	-(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)
Temperature	-40° C to + 85° C

MECHANICAL SPECIFICATIONS

Dimensions	Ø500mm, Thickness: 4.5mm
Encapsulation	Glass/EVA/Cells/EVA/TPT
Front Glass	Tempered Glass, thickness: 3.2mm
Frame	Without frame, Solder wire, 500mm long
Efficiency	≥16%
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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