



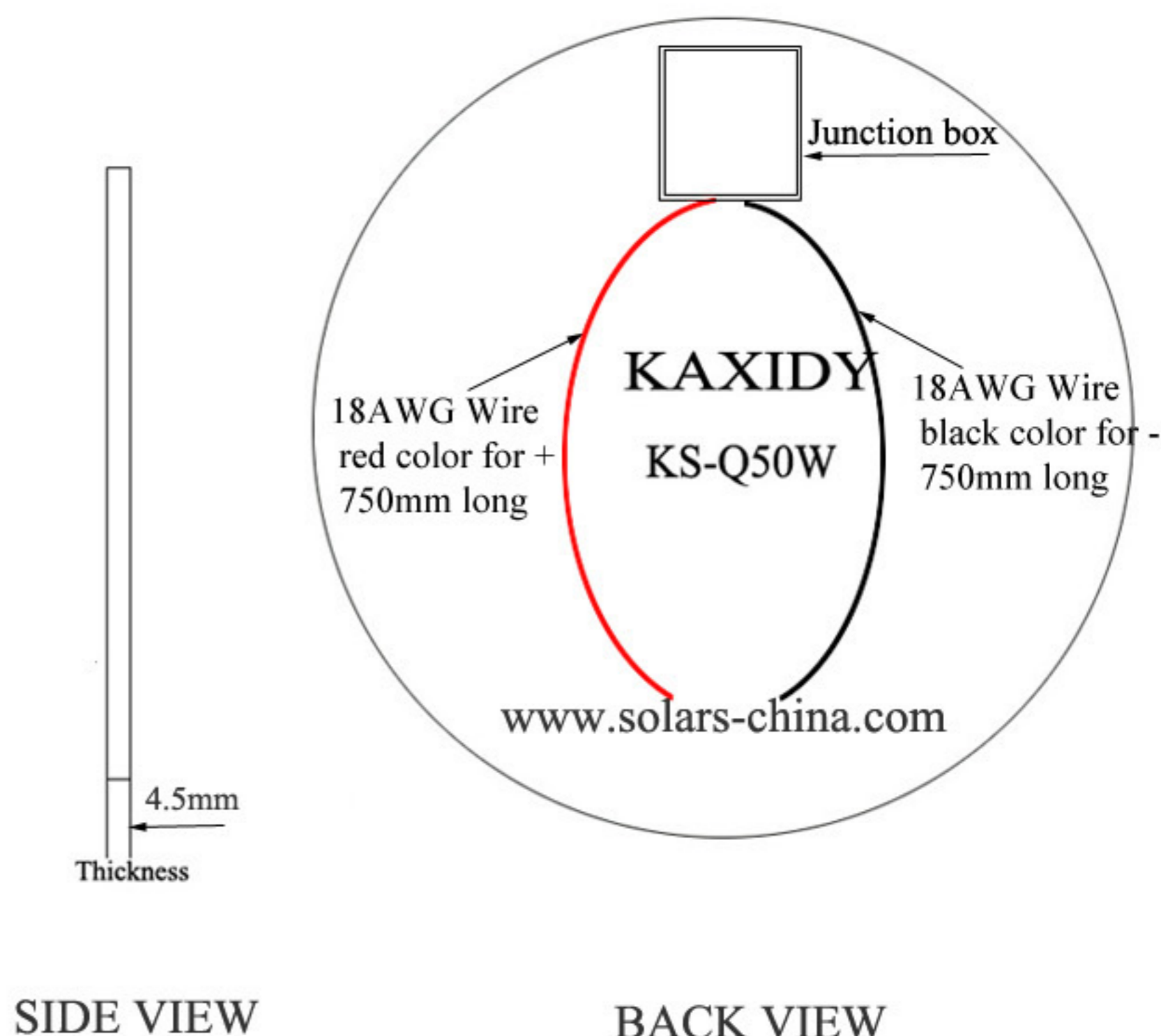
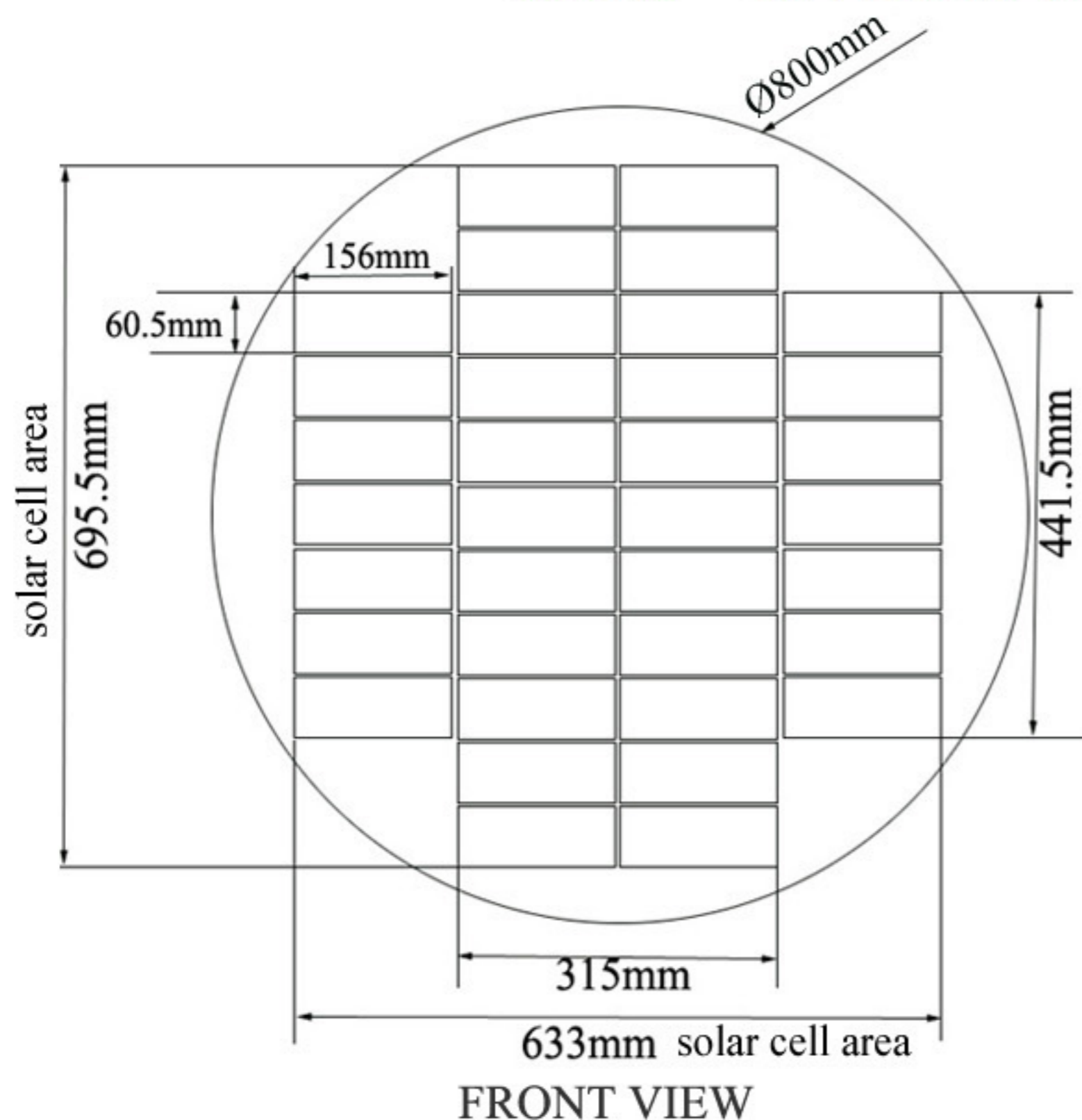
CHINA SOLAR

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KaXiDi

50W CIRCULAR SOLAR PANEL

SIDE VIEW

BACK VIEW

ELECTRICAL CHARACTERISTICS

Power	50W
Operating Voltage	18V
Operating Current	2.77A
Type of solar cell	Monocrystalline Silicon Solar Cell
Power Tolerance	$\pm 5\%$
STC: Irradiance $1000\text{W}/\text{m}^2$, Module temperature: 25°C , AM=1.5	

TEMPERATURE COEFFICIENTS

Nominal Operating Cell Temperature (NOCT): $45^\circ\text{C} \pm 2^\circ\text{C}$	
Temp. Coefficient of I_{sc}	$(0.045 \pm 0.01)\%/^\circ\text{C}$
Temp. Coefficient of V_{oc}	$-(0.34 \pm 0.01)\%/^\circ\text{C}$
Temp. Coefficient of Power	$-(0.47 \pm 0.05)\%/^\circ\text{C}$

TESTED OPERATING CONDITIONS

Max load	50psf $245\text{kg}/\text{m}^2$ (2400)pascals
Hailstone impact	25mm(1inch) at 23m/s(52mph)
Temperature	-40°C to $+85^\circ\text{C}$

MECHANICAL SPECIFICATIONS

Dimensions	$\text{Ø}800\text{mm}$, Thickness: 4.5mm
Encapsulation	Glass/EVA/Cells/EVA/TPT
Front Glass	Tempered Glass, thickness: 3.2mm
Frame	Without frame, Solder wire, 750mm long
Efficiency	$\geq 16\%$
Dimension Tolerance $\pm 0.2\text{mm}$	

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**CHINA SOLAR LTD**<http://www.solars-china.com><http://www.solars-china.net>

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