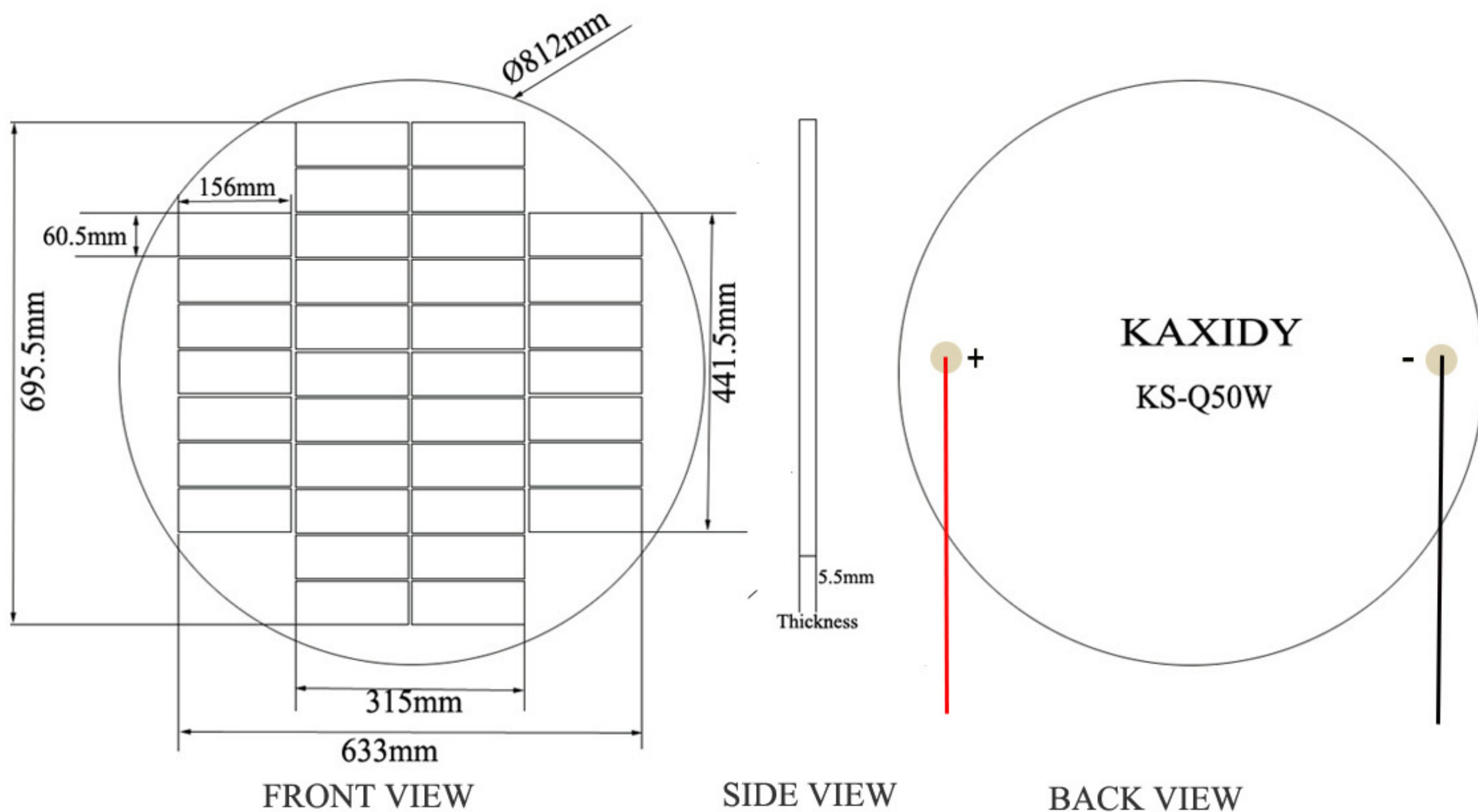


50W CIRCULAR SOLAR PANEL



ELECTRICAL CHARACTERISTICS

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

TEMPERATURE COEFFICIENTS

Nominal Operating Cell Temperature (NOCT): 45°C $\pm 2^\circ\text{C}$	
Temp. Coefficient of I _{sc}	(0.045 $\pm$ 0.01)%/°C
Temp. Coefficient of V _{oc}	-(0.34 $\pm$ 0.01)/°C
Temp. Coefficient of Power	-(0.47 $\pm$ 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	$\varnothing 812\text{mm}$, Thickness: 5.5mm
Encapsulation	Glass/EVA/Cells/EVA/TPT
Front Glass	Tempered Glass, thickness: 3.2mm
Frame	Without frame, Solder wire, 800mm long
Efficiency	$\geq 16\%$

FIGURE OF STRUCTURE



WARRANTIES

Power output more than 90% for 10years

The technical files provided by CHINA SOLAR LTD

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