Specification of CIGS Curved Solar Tile

Features of CIGS Curved Solar Tile

1. CIGS thin film chips have the advantages of being light, thin, flexible, and having good weak light power generation performance. It's photoelectric conversion efficiency currently in mass production can reach 16.5%.
2. Curved product design integrating architectural aesthetics, elegant appearance with strong applicability.
3. 3.2mm+3.2mm double-layer high-transmittance tempered glass structure, the upper surface has a high impact resistance of 5,400 Pa.
4. Composite integrated design drainage, ventilation and heat insulation.
5. Innovative product structure achieves convenient and quick installation.
6. Specially designed to be waterproof to withstand harsh weather.
7. The overall roof design perfectly matches the architecture.
8. Produce green energy and reduce carbon emissions.

	NST-32	NST-28
Color	Black	Red
Maximum Power [W]	32	28
Maximum Power Tolerance [W]	0/+2	0/+2
Open Circuit Voltage [V]	10.7	10.3
Short Circuit Current [A]	4	4
Maximum Power Point Voltage [V]	8.8	8.1
Maximum Power Point Current [A]	3.5	3.45
Weight per pc. [kg]	6.5 (±0.5)	6.5 (±0.5)
Thickness [mm]	8(±1)	8(±1)
Dimension L*W*H [mm]	721*500*33(±1) (Curve Arch Height)	721*500*33(±1) (Curve Arch Height)
Maximum System Voltage [V]	1,000	1,000
Maximum Fuse Rating [A]	7	7
Front plate	Super white tempered embossing	Super white tempered embossing
Back plate	Super white tempered embossing	Super white tempered embossing
Frame	Anodized Aluminium Alloy	Anodized Aluminium Alloy
Juntion Box	IP67, MC4 connector	IP67, MC4 connector
Maximum positive static load [Pa]	5400	5400
Operating temperature [°C]	-40 to +80	-40 to +80

	NST-32	NST-28
Hail resistance	Maximum diameter 25mm impact speed 23m/s	Maximum diameter 25mm impact speed 23m/s
Fire rating	A	A
NOCT	45°C	45°C
Peak power （Pmpp）temperature coefficient	0.40%/°C	0.40%/°C
Open Circuit Voltage [Voc] temperature coefficient	0.35%/°C	0.35%/°C
Short Circuit Current [Isc] temperature coefficent	0.03%/°C	0.03%/°C

NORIUM