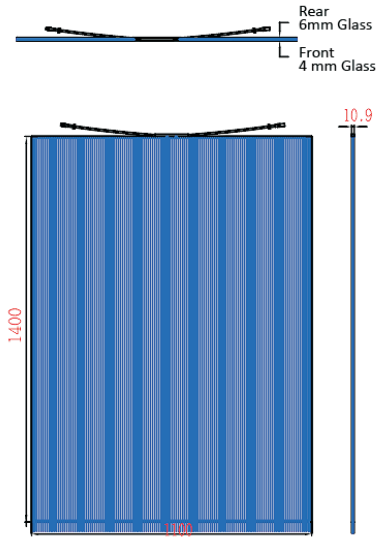


VNP-TF

110-130 SOLAR PHOTOVOLTAIC THIN FILM



PRODUCT OVERVIEW

- Vorks Energy's modules are optimally manufactured and adjusted to meet the needs of the current market; scientifically designed module dimension makes the installation simple and easy.
- Our continuous efforts in quality assurance system and certifications shows Vorks Energy's products demonstrate our commitment to product quality and customer requirements

ELECTRICAL SPECIFICATIONS

	110 W	115 W	120 W	125 W	130 W
Output Power	110 W	115 W	120 W	125 W	130 W
Max. Power Voltage	119.6 V	119.8 V	120 V	123.8 V	125 V
Max. Power Current	0.92 A	0.96 A	1 A	1.01 A	1.04 A
Open Circuit Voltage	167.8	168.4	169	171	171
Short Circuit Current	1.05 A	1.08 A	1.1 A	1.12 A	1.14 A

MECHANICAL SPECIFICATIONS

Dimension [mm]	1400* 1100* 10.9 mm
Weight	40 kg

OPTICAL SPECIFICATIONS

Visible	transmitted 10%
	reflected 6.6%
Total Solar Energy	transmitted 8.9%
	reflected 15.9%
UV	transmitted 0.04%

TEMPERATURE DATA

Nominal Power	-0.28% / °C
Open Circuit Voltage	-0.32% / °C
Short Circuit Current	0.07% / °C

THERMAL SPECIFICATIONS

Shading Coefficient	Vertical	0.32
U-Value (Exterior to interior)	Vertical	5.59W/m2K
U-Value (Interior to Exterior)	Vertical	5.59W/m2K

- Data above represent stabilized values at Standard Test Conditions (STC) [Irradiance: 100W/m2, Spectrum: AM1.5, Cell temperature: 25°C (77°F)].
- All electrical ratings bear with a tolerance of ±10% unless specified otherwise.
- Power warranty:
Maintain more than 90% of minimum rated power for 10 years
Maintain more than 85% of minimum rated power for 25 years

Vorks Energy Private Limited

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