

110-160 Watt

THIN-FILM MODULE



WKE-60TF110 Wp

WKE-60TF120 Wp

WKE-60TF130 Wp

WKE-60TF140 Wp

WKE-60TF150 Wp

WKE-60TF160 Wp

THIN-FILM MODULE

Characteristics

- Amorphous Silicon Thin-Film modules are designed for large electrical power requirements.
- With a 25-year warranty, thin-film module offers higher-powered, more reliable performance for both on-grid and off-grid solar projects.

Benefits

- High performance and stable power output through advances amorphous silicon technology.
- Outstanding performance under high temperature and low light conditions.
- Withstand wind loads up to 2400Pa and snow loads up to 5400Pa.
- Positive power tolerance of 0 / +3%.
- Quick, easy and flexible options for installation.
- Cost effective and short energy payback time.
- IEC61646 and IEC61730
- ISO9001:2008 Quality management system
- ISO14001:2004 Environmental management system
- OHSAS18001:2007 Occupational health and safety management system



Warranty

- 12 year limited product warranty.
- Limited power warranty: 12 years 90% of the nominal power output, 25 years 80% of the nominal power output.



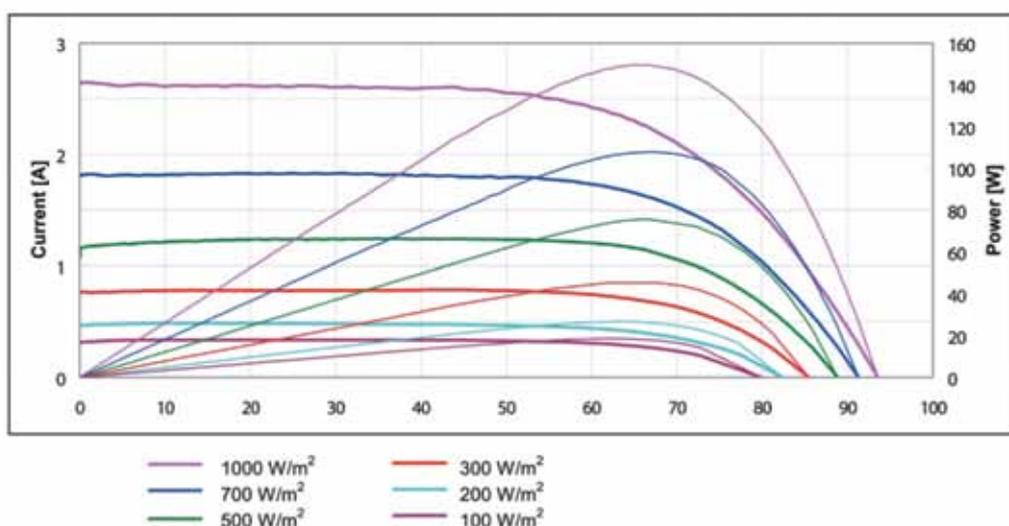
ISO 9001:2008



Electrical Characteristics / Parameters at STC

Maximum Power at STC (Pmax)	110W	120W	130W	140W	150W	160W
Short Circuit Current (Isc)	2.41A	2.62A	2.62A	2.59A	2.59A	2.61A
Open Circuit Voltage (Voc)	85.6V	85.25V	87.33V	90.63V	92.07V	95.4V
Maximum Power Current (Imp)	1.94A	2.13A	2.17A	2.2A	2.25A	2.25A
Maximum Power Voltage (Vmpp)	56.5V	57.69V	59.87V	64V	66.4V	71.4V
Power Tolerance	+/-5%					
Maximum System Voltage	1000Vdc (IEC), 600 Vdc (UL)					
Operating Temperature	-40°C to 85°C					

STC: Irradiance 1000W/m² Cell temperature 25° C AM=1.5



Mechanical Characteristics

Type of frame	w/back rail, w/o back rail
Cell Type	162 CIGS Cells
Safety Class	II
Fire Rating	Class C
Encapsulant	Glass / EVA / Glass
Dimensions (AxBxC)	1100 x 1400 x 7.7 mm
Weight	33 kg / 28.5 kg
Front cover	Tempered glass
Back Cover	Float glass
Connectors	MC4 compatible
Junction box	IP68
Output Cable	14 AWG, 2.5mm ²

