

# Kada®

# Just Size

## Classic 1640

315W / 320W / 325W

[www.kada-tech.com](http://www.kada-tech.com)



### Just Size

The most mature size in the solar industry history, so its accessories are available everywhere. This is also the most convenient size for global installers, so it has the lowest overall installation cost.



### Higher Power Output

Outstanding performance under weak-light conditions. Superior temperature coefficient guarantees power generation efficiency.



### PID Resistant

Improved cell processing technology and electrical design guarantee solid PID resistance.



### Enhanced Reliability

Decrease hot spot temperature with optimized electrical design.



## ELECTRICAL TYPICAL VALUES

Model	KD10-85-315M		KD10-85-320M		KD10-85-325M	
	STC	NMOT	STC	NMOT	STC	NMOT
Testing Condition	STC	NMOT	STC	NMOT	STC	NMOT
Rated Power (P <sub>mp</sub> ) /W	315	234	320	238	325	242
Rated Voltage (V <sub>mp</sub> ) /V	50.08	46.16	50.75	46.76	51.34	47.36
Rated Current (I <sub>mp</sub> ) /A	6.29	5.07	6.31	5.09	6.33	5.11
Open Circuit Voltage (V <sub>oc</sub> ) /V	57.34	54.24	58.12	54.98	58.89	55.72
Short Circuit Current (I <sub>sc</sub> ) /A	6.64	5.35	6.66	5.37	6.68	5.39
Panel Efficiency /%	19.36		19.67		19.98	

STC (Standard Testing Conditions): Irradiance 1000W/m<sup>2</sup>, AM 1.5, Cell Temperature 25°C

NMOT (Nominal Panel Operation Temperature): Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, Spectra at AM1.5, Wind at 1m/s

## ABSOLUTE MAXIMUM RATING

Operating Temperature	From -40 to +85° C
Hail Diameter @ 80km/h	Up to 25mm
Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Maximum Series Fuse Rating	20A
PV Panel Classification	II
Fire Rating (IEC 61730)	C
Panel Fire Performance (UL1703)	Type 4
Maximum System Voltage	DC 1000V/1500V

## MECHANICAL CHARACTERISTICS

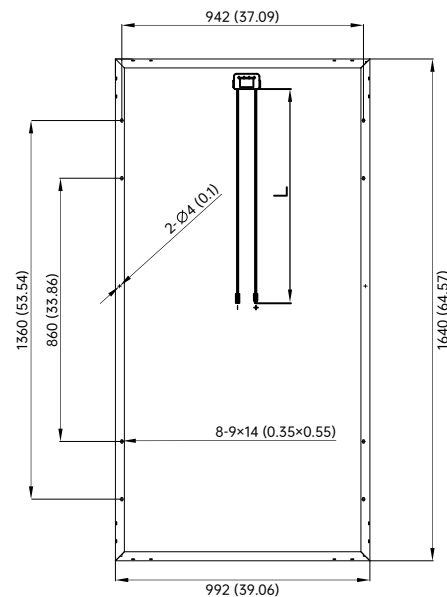
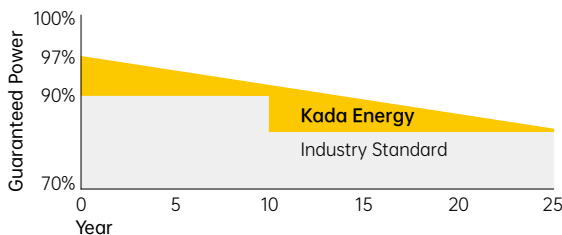
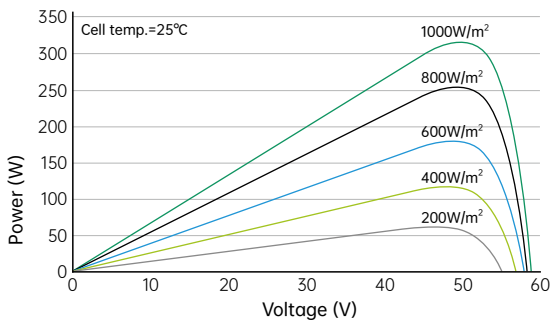
Cell Type	Monocrystalline
Dimension (L × W × H)	1640 × 992 × 35mm
Weight	18.0kg
Front Glass	3.2mm Toughened Glass
Frame	Anodized Aluminium Alloy
Cable	4mm <sup>2</sup> (IEC), Length: 900mm or Customized Length
Junction Box	IP68 Rated

## TEMPERATURE RATINGS

Voltage Temperature Coefficient	-0.300 %/°C
Current Temperature Coefficient	+0.050 %/°C
Power Temperature Coefficient	-0.380 %/°C
Tolerance	0~+5 w
NMOT	43±2 °C

## PACKING CONFIGURATION

Container	20' GP	40' HQ
Pieces / Container	312	896



12  
YEAR

Warranty for Materials  
and Processing

25  
YEAR

Warranty for Extra Linear  
Power Output

**Kada**<sup>®</sup>

Note: This datasheet is not legally binding. Kada Energy Co., Ltd. reserves the right to adjust specifications without notice. Further information please refer to our E-mail: [info@kada-tech.com](mailto:info@kada-tech.com)

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