



# KD 150 F SX Series

KD150SX-UFU

## CUTTING EDGE TECHNOLOGY

As a pioneer with four decades of experience in the development of photovoltaic systems, Kyocera drives the market as a leading provider of PV products. We demonstrate our *Kaizen* philosophy, or commitment to continuous improvement, by setting the industry standard in the innovation of best-in-class solar energy equipment.

## QUALITY BUILT IN

- UV-stabilized, anodized aluminum frame in black
- Supported by major mounting structure manufacturers
- Easily accessible grounding points on all four corners for fast installation

## PROVEN RELIABILITY

- Kyocera modules confirmed by the Desert Knowledge Australia Solar Centre to have the highest average output of any crystalline module
- First module manufacturer in the world to pass long-term sequential testing performed by TÜV Rheinland
- This series construction also passed TÜV Rheinland's Salt Mist Corrosion Test at Severity Level 6, the most intense test conditions available
- Only module manufacturer to achieve the rank of "Performance Leader" in all six categories of GTM Research's 2014 PV Module Reliability Scorecard



## CERTIFICATIONS

- UL1703 Certified and Registered, UL Fire Safety Class C
- Applicable to hazardous location, Class I Div. II
- NEC2008 Compliant, IEC 61215/61730, and ISO 14001
- IEC61701 Ed.2 Severity 6 (Salt Mist Corrosion Test)



# ELECTRICAL SPECIFICATIONS

**Standard Test Conditions (STC)**  
 STC=1000 W/M<sup>2</sup> irradiance, 25°C module temperature, AM 1.5 spectrum\*

KD150SX-UFU		
P <sub>max</sub>	150	W
V <sub>mp</sub>	18.2	V
I <sub>mp</sub>	8.25	A
V <sub>oc</sub>	22.5	V
I <sub>sc</sub>	8.87	A
P <sub>tolerance</sub>	+10/-0	%

**Nominal Operating Cell Temperature Conditions (NOCT)**  
 NOCT=800 W/M<sup>2</sup> irradiance, 20°C ambient temperature, AM 1.5 spectrum\*

T <sub>NOCT</sub>	45	°C
P <sub>max</sub>	108	W
V <sub>mp</sub>	16.4	V
I <sub>mp</sub>	6.59	A
V <sub>oc</sub>	20.6	V
I <sub>sc</sub>	7.18	A

## Temperature Coefficients

P <sub>max</sub>	-0.46	%/°C
V <sub>mp</sub>	-0.52	%/°C
I <sub>mp</sub>	0.006	%/°C
V <sub>oc</sub>	-0.36	%/°C
I <sub>sc</sub>	0.06	%/°C

**Operating Temp** -40 to +90 °C

## System Design

**Series Fuse Rating** 15 A

**Maximum DC System Voltage (UL)** 600 V

**Hailstone Impact** in (25mm) @ 51mp (23m/s)

\*Subject to simulator measurement uncertainty of +/- 3%. KYOCERA reserves the right to modify these specifications without notice.

CERTIFIED IEC61215 ED2 IEC61730 BY JET

NEC 2008 COMPLIANT  
 UL 1703 LISTED  
 040215

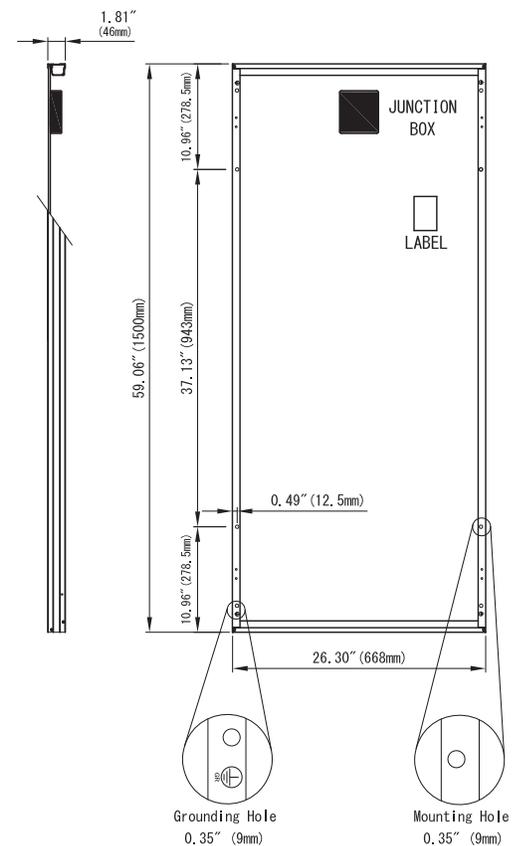


# MODULE CHARACTERISTICS

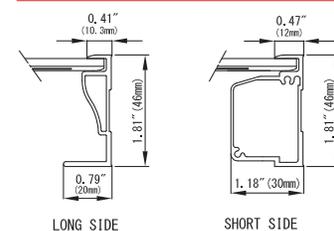
<b>Cells per module:</b>	36 (4 x 9)
<b>Dimensions:</b> length/width/height	59.06in/26.30in/1.81in (1500mm/668mm/46mm)
<b>Weight:</b>	27.6lbs (12.5kg)

# PACKAGING SPECIFICATIONS

<b>Modules per pallet:</b>	20
<b>Pallets per 53' container:</b>	54
<b>Pallet box dimensions:</b> length/width/height	63.19in/27.56in/49.02in (1605mm/700mm/1245mm)
<b>Pallet box weight:</b>	632.8lbs (287kg)



## FRAME CROSS SECTION DIAGRAM



OUR VALUED PARTNER