



KD 185 P Series

CUTTING EDGE TECHNOLOGY

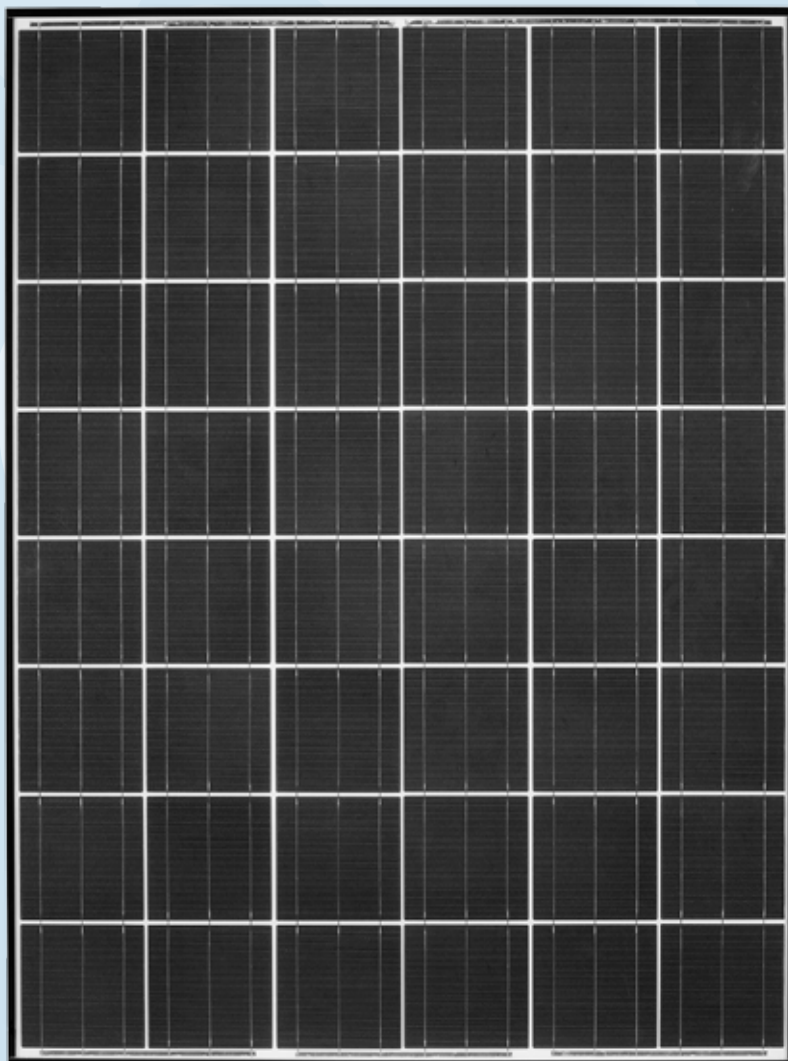
As a pioneer with over 35 years in the solar energy industry, Kyocera demonstrates leadership in the development of solar energy products. Kyocera's *Kaizen* Philosophy, commitment to continuous improvement, is shown by repeatedly achieving world record cell efficiencies.

QUALITY BUILT IN

- UV stabilized, aesthetically pleasing black anodized frame
- Supported by major mounting structure manufacturers
- Easily accessible grounding points on all four corners for fast installation
- Proven junction box technology with 12 AWG PV wire to work with transformerless inverters
- Quality locking MC4 plug-in connectors to provide safe and quick connections

RELIABLE

- Proven superior field performance
- Tight power tolerance
- Only module manufacturer to pass rigorous long-term testing performed by TÜV Rheinland



QUALIFICATIONS AND CERTIFICATIONS

UL Listing
QIGU.E173074



Registered to ISO9001-2000

NEC 2008 Compliant, UL 1703, ISO 9001, and ISO 14001
UL1703 Certified and Registered, UL Fire Safety Class C, CEC, FSEC
Certified IEC61215 Ed 2 IEC61730 by JET



QUALIFIED FOR "BUY AMERICAN"
Manufactured in San Diego, California

- Available Upon Request •

ELECTRICAL SPECIFICATIONS

Standard Test Conditions (STC)
 STC = 1000 W/M² irradiance, 25°C module temperature, AM 1.5 spectrum

KD185GX-LPU		
P _{mp}	185	W
V _{mp}	23.6	V
I _{mp}	7.84	A
V _{oc}	29.5	V
I _{sc}	8.58	A
P* _{tolerance}	+5/-5	%

Nominal Operating Cell Temperature Conditions (NOCT)
 NOCT = 800 W/M² irradiance, 20°C ambient temperature, AM 1.5 spectrum

T _{NOCT}	45	°C
P _{max}	133	W
V _{mp}	21.3	V
I _{mp}	6.27	A
V _{oc}	27.0	V
I _{sc}	6.95	A
PTC	167.1	W

Temperature Coefficients

P _{max}	-0.45	%/°C
V _{mp}	-0.52	%/°C
I _{mp}	0.0066	%/°C
V _{oc}	-0.36	%/°C
I _{sc}	0.060	%/°C

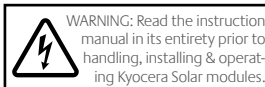
Operating Temp	-40 to +90	°C
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System Design

Series Fuse Rating	15 A
Maximum DC System Voltage (UL)	600 V
Hailstone Impact	1in (25mm) @ 51mph (23m/s)

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

NEC 2008 COMPLIANT
 UL 1703 LISTED
 CERTIFIED IEC61215 ED2 IEC61730 BY JET

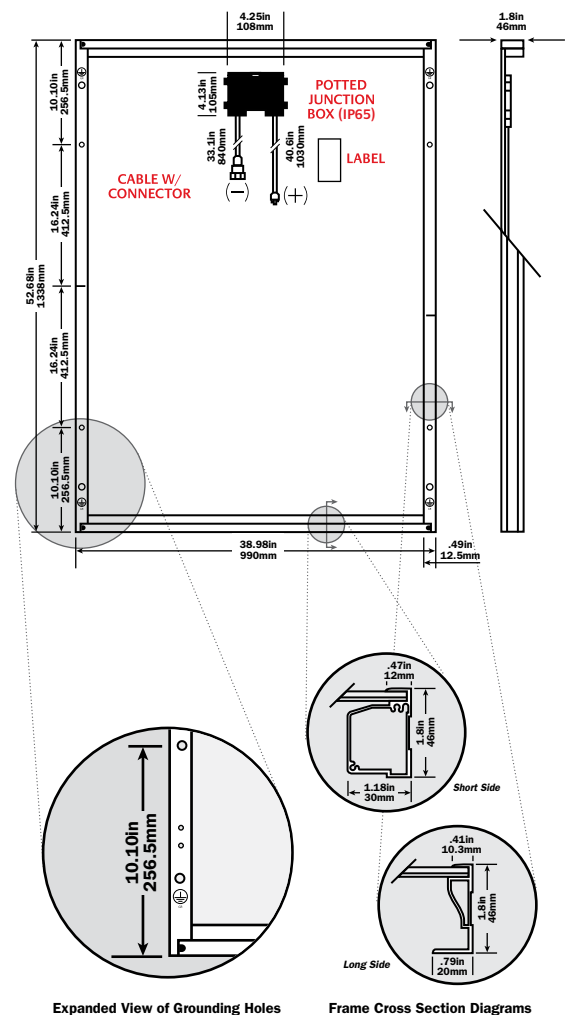


MODULE CHARACTERISTICS

Dimensions: length/width/height	52.68in/38.98in/1.8in (1338mm/990mm/46mm)
Weight:	35.3lbs (16.0kg)

PACKAGING SPECIFICATIONS

Modules per pallet:	20
Pallets per 53' container:	36
Pallet box dimensions: length/width/height	56.69in/42.52in/49.02in (1440mm/1080mm/1245mm)
Pallet box weight:	798.2lbs (362kg)



Expanded View of Grounding Holes

Frame Cross Section Diagrams

Legend

- MOUNTING HOLES .35in (9mm)
- DRAINAGE HOLES
- ⊕ GROUND SYMBOL .35in (9mm)