



# KD 200-54 P Series

KD215GX-LPU    KD220GX-LPU

## CUTTING EDGE TECHNOLOGY

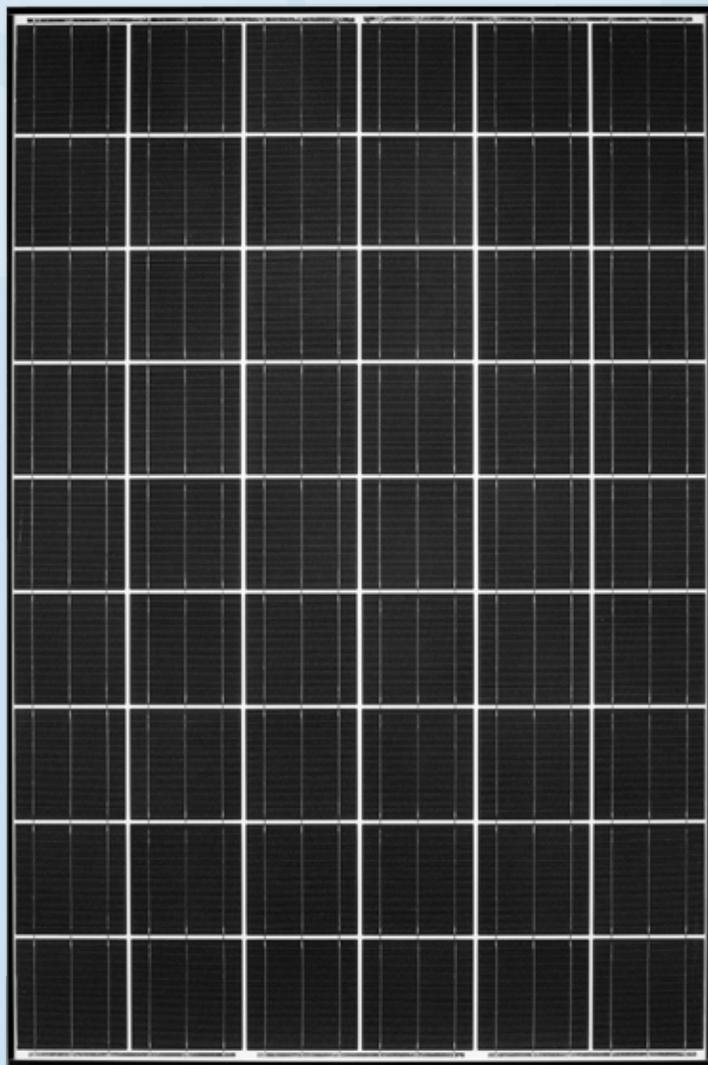
As a pioneer with over 35 years in the solar energy industry, Kyocera demonstrates leadership in the development of solar energy products. Kyocera's *Kaizen* Philosophy, commitment to continuous improvement, is shown by repeatedly achieving world record cell efficiencies.

## 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 MC4plug-in connectors to provide safe and quick connections

## RELIABLE

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



## QUALIFICATIONS AND CERTIFICATIONS

UL Listing  
QIGU.E173074



NEC 2008 Compliant, UL 1703, and ISO 14001  
UL1703 Certified and Registered, UL Fire Safety Class C, CEC, FSEC

## ELECTRICAL SPECIFICATIONS

### Standard Test Conditions (STC)

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

	KD215GX-LPU	KD220GX-LPU	
P <sub>mp</sub>	215	220	W
V <sub>mp</sub>	26.6	26.6	V
I <sub>mp</sub>	8.09	8.28	A
V <sub>oc</sub>	33.2	33.2	V
I <sub>sc</sub>	8.78	8.98	A
P <sub>tolerance</sub>	+5/-0	+5/-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	45	°C
P <sub>max</sub>	155	158	W
V <sub>mp</sub>	24.0	24.0	V
I <sub>mp</sub>	6.47	6.62	A
V <sub>oc</sub>	30.4	30.4	V
I <sub>sc</sub>	7.11	7.27	A
PTC	194.6	199.2	W

### Temperature Coefficients

P <sub>max</sub>	-0.46	-0.46	%/°C
V <sub>mp</sub>	-0.52	-0.52	%/°C
I <sub>mp</sub>	0.0065	0.0065	%/°C
V <sub>oc</sub>	-0.36	-0.36	%/°C
I <sub>sc</sub>	0.060	0.060	%/°C
Operating Temp	-40 to +90	-40 to +90	°C

### 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



## MODULE CHARACTERISTICS

Dimensions: 59.06in/38.98in/1.8in  
length/width/height

Weight: 41.0lbs (18.6kg)

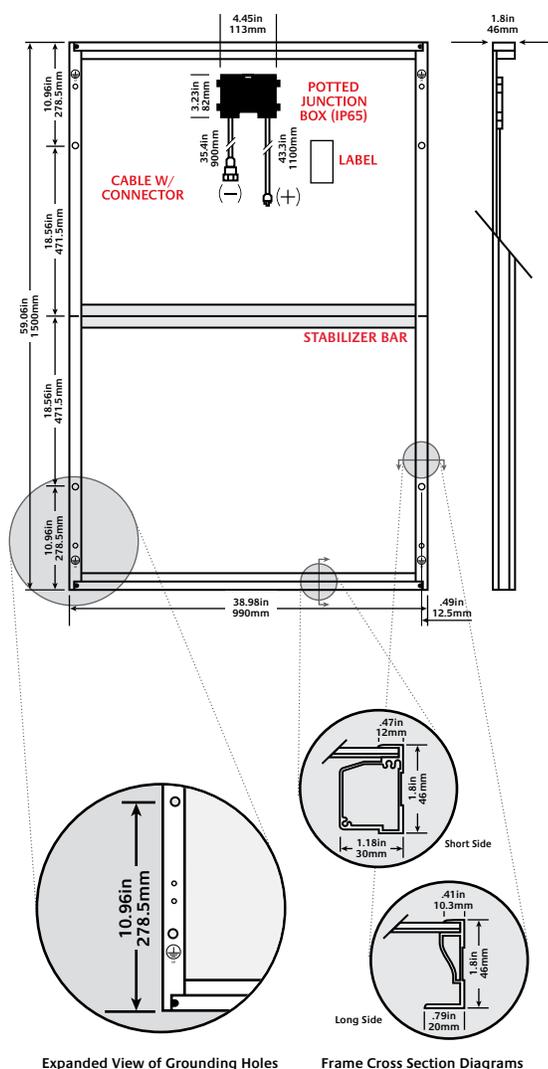
## PACKAGING SPECIFICATIONS

Modules per pallet: 20

Pallets per 53' container: 38

Pallet box dimensions: 60in/40in/45in  
length/width/height

Pallet box weight: 905lbs (410.0kg)



Expanded View of Grounding Holes

Frame Cross Section Diagrams

### Legend

○ MOUNTING HOLES .35in (9mm) ■ DRAINAGE HOLES ● GROUND SYMBOL .35in (9mm)

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