THE NEW VALUE FRONTIER

KYOCERA

KC175GHT-2

HIGH EFFICIENCY MULTICRYSTAL
PHOTOVOLTAIC MODULE

TÜV IEC 61215

Kyocera is **"ISO9001"** certified and registered.
TUVdotCOM Internet platform for tested quality and service ID 0000007146.

MODEL
KC175GHT-2

HIGHLIGHTS OF KYOCERA PHOTOVOLTAIC MODULES

Kyocera's advanced cell processing technology and automated production facilities produce a highly efficient multicrystal photovoltaic module.
The conversion efficiency of the Kyocera solar cell is over 16%.
These cells are encapsulated between a tempered glass cover and a pottant with back sheet to provide efficient protection from the severest environmental conditions.
The entire laminate is installed in an anodized aluminum frame to provide structural strength and ease of installation.
Equipped with plug in connectors.

APPLICATIONS

Grid-Connected Systems
- Residential Solar Power Systems
- Public and Industrial Solar Power Systems

Stand-Alone Solar Power Systems for
- Villages in remote areas
- Homes and summer cottages
- Microwave / Radio repeater stations
- Medical facilities in rural areas
- Emergency communication
- Water quality and environmental data monitoring
- Drinking water and livestock water pumping
- Small-scale irrigation pumping
- Cathodic protection
- Aviation obstruction lights
- Environmental data monitoring
- Railway signals
- Street lighting
- Small-scale desalination
- etc.

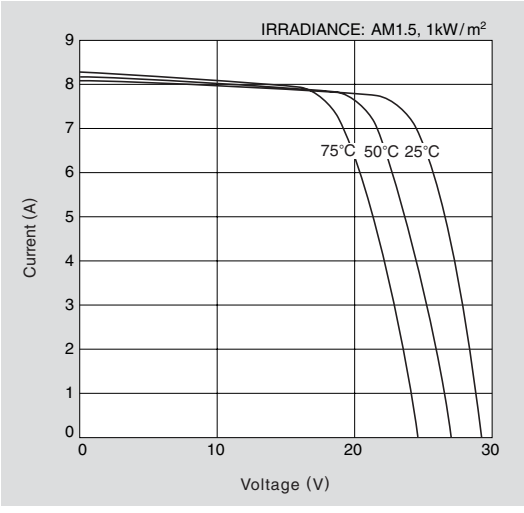
LIMITED WARRANTY

※Limited warranty on material and workmanship:For warranty period, please refer to Warranty issued by Kyocera
※20 years limited warranty on power output:For detail, please refer to "category IV" in Warranty issued by Kyocera

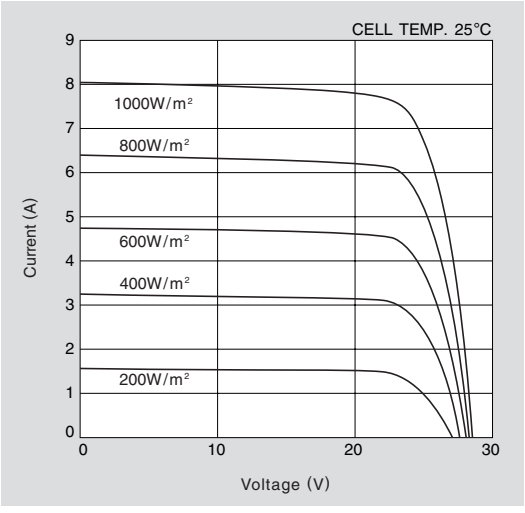
(Long term output warranty shall warrant if PV Module(s) exhibits power output of less than 90% of the original minimum rated power specified at the time of sale within 10 years and less than 80% within 20 years after the date of sale to the Customer. The power output values shall be those measured under Kyocera's standard measurement conditions. Regarding the warranty conditions in detail, please refer to Warranty issued by Kyocera)

ELECTRICAL CHARACTERISTICS

Current-Voltage characteristics of Photovoltaic Module KC175GHT-2 at various cell temperatures

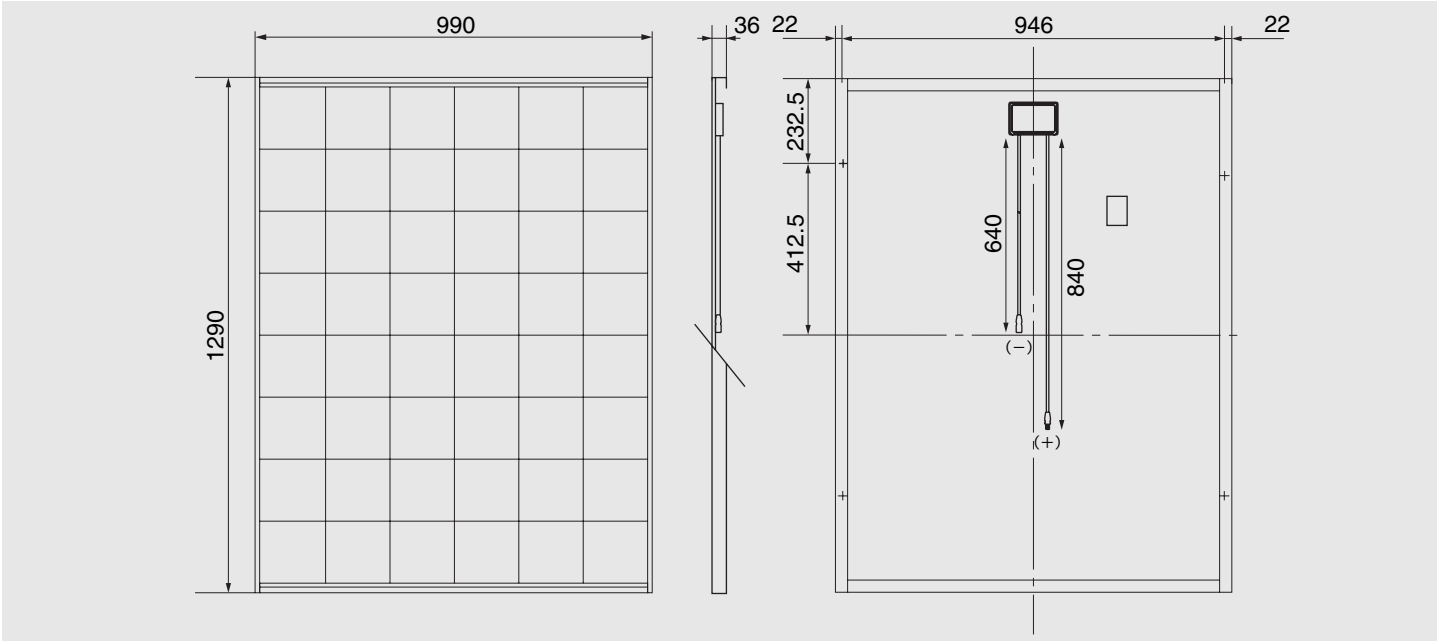


Current-Voltage characteristics of Photovoltaic Module KC175GHT-2 at various irradiance levels



Physical Specifications

(Unit : mm)



Specifications

Electrical Performance under Standard Test Conditions (*STC)	
Maximum Power (Pmax)	175W (+10%/−5%)
Maximum Power Voltage (Vmpp)	23.6V
Maximum Power Current (Impp)	7.42A
Open Circuit Voltage (Voc)	29.2V
Short Circuit Current (Isc)	8.09A
Max System Voltage	1000V
Temperature Coefficient of Voc	-1.09×10^{-1} V/℃
Temperature Coefficient of Isc	3.18×10^{-3} A/℃

*STC : Irradiance 1000W/m², AM1.5 spectrum, module temperture 25℃

Electrical Performance at 800W/m², NOCT*, AM1.5	
Maximum Power (Pmax)	125W
Maximum Power Voltage (Vmpp)	20.9V
Maximum Power Current (Impp)	5.99A
Open Circuit Voltage (Voc)	26.5V
Short Circuit Current (Isc)	6.53A

*NOCT (Nominal Operating Cell Temperature) : 47℃

Cells	
Number per Module	48
Cell Technology	Multicrystal
Cell Shape	Rectanglar

Module Characteristics	
Length × Width × Depth without Box	1290×990×36mm
Weight	16.0kg
Cable	(+)840/(−)640mm

Junction Box Characteristics	
Length × Width × Depth	113.6×76×9mm
IP Code	IP65

Reduction of Efficiency under Low Irradiance	
Reduction	5.1%

Reduction of efficiency from an irrandiance of 1000W/m² to 200W/m² (module temperature 25℃)

Please contact our office for further information

KYOCERA

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