



RUIKE NEW ENERGY
瑞科新能源
 地蕴天成·能动无限

High-Efficiency CdTe PV Module

Up to 14.5%
Module Efficiency

10Year Limited
Product Warranty

25Year Linear Per-
formance Warranty

Ruike Introduction

Zhongshan Ruike New Energy Co., Ltd (hereafter referred to as Ruike), invested and held by Mingyang Smart Energy Group (hereafterreferred to as Mingyang Group), was founded in August 2015 with the headquarters in ZhongshanGuangdong, China. Ruike has the world-class technological R&D team which has developed the core equipment and process with own intellectual property over many years in US. Ruike's thin film module technology is featured with high-speed thin film deposition process, high energy conversion efficiency, excellent product stability, and so on. Ruike is dedicated to manufacture cost-effective CdTe solar modules through technological innovations and continuous process improvements, in order to continually increase efficiency and lower cost of our products.

Fully committed to the development of green energy, Ruike is devoted to the research and development, production and sales of solar modules and to provide the integrated energy solution for customers.



Recycle Of CdTe

We can provide recycling services to for our modules after the life cycle of CdTe solar modules.



Slower Degradation

the average attenuation efficiency is about 14% upon 25 years.



Excellent Weak Light Effect

The modules are more advantageous in energy yield in the early morning, late evening, cloudy days and the areas with poor air quality (fog).



Excellent Temperature Coefficient

The electric energy output has the modules exhibit in hot climate.

Product And Certification

ISO9001: 2008 | ISO Quality Management System

ISO14001:2004 | Environmental Management System

OHSAS18001:2007 | Occupational Health and Safety Management System

IEC 61215、IEC 61730、UL1703



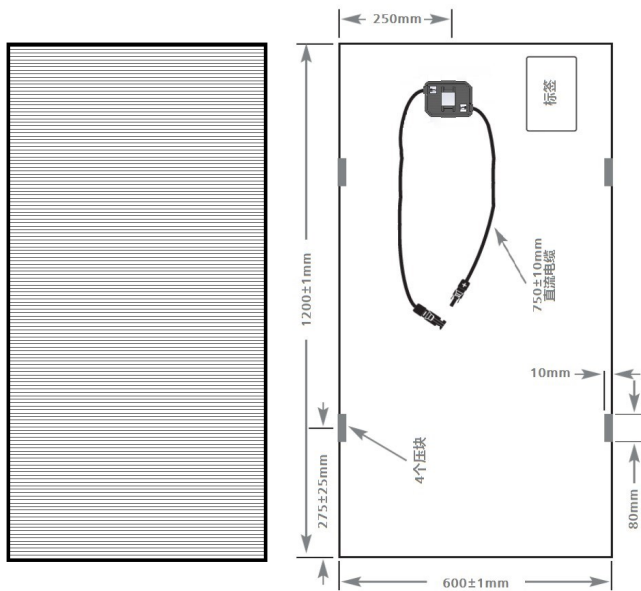
Attention : The installation and operation of PV modules requires specialized skills and only qualified professionals can perform the work. Please read the user guide and installation instructions before using and operating the PV modules .

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Mechanical Drawing



Mechanical Specification

Size	1200×600×6.8mm
Weight	12kg
Area	0.72mm ²
Front Glass	3.2mm heat strength glass
Back Glass	3.2mm tempered glass
Leadwire	2.5mm ² , 750±10mm
Connectors	PV-KST4/xy-UR , PV-KBT4/xy-UR
Junction Box	IP67 Rated
Each box	50Pcs , 640Kg
Standard container cabinet (20feet)	15boxes , 750Pcs
Standard container cabinet (40feet)	30boxes , 1500Pcs

Electrical Specification

Model	RK-85	RK-90	RK-95	RK-100	RK-105
Nomunal Power(P _{mpp})	85W	90W	95W	100W	105W
Voltage at Pmax (V _{mpp})	81.5V	87.4V	91.1V	94.1V	97.2V
Current at Pmax (I _{mpp})	1.04A	1.04A	1.05A	1.06A	1.08A
Open Circuit Voltage(V _{oc})	117.5V	117.8V	119.9V	121.7V	123.8V
Short Circuit Current (I _{sc})	1.21A	1.22A	1.22A	1.23A	1.24A

Standard Test Conditions(STC) : 1000W/m², STC AM1.5,25°C ; Binning/sorting tolerance: ±5W

Power measurement tolerance : ±5% Open circuit Voltage Tolerance : ±5% Short Circuit Current Tolerance : ±5%

Temperature Characteristics

Temperature range	-40°C~+85°C
Temperature Coefficient of P _{mpp}	-0.28%/°C(25~75°C)
Temperature Coefficient of V _{oc}	-0.28%/°C
Temperature Coefficient of I _{sc}	+0.04%/°C

Working Parameters

Maximum System Voltage	DC1000V(IEC)
Maximum Series Fuse	2A
Application Level	Class A

The data contained in this technical data file may be slightly biased, and the final interpretation right belongs to Zhongshan Ruike New Energy Co., Ltd.

The above technical parameters will be adjusted according to technical innovation and product improvement, this page will be updated regularly, please call for advice.

Made in China

