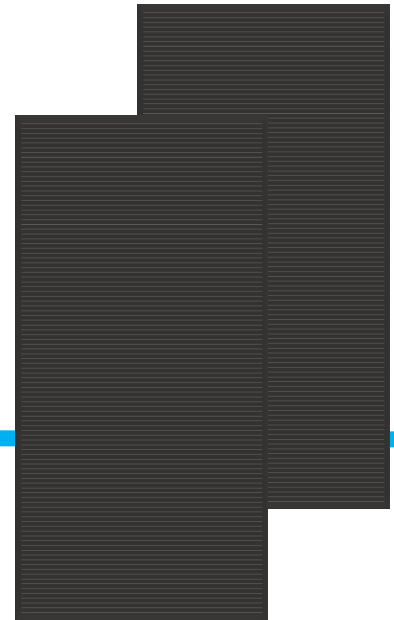




**RUIKE NEW ENERGY**  
**瑞科新能源**  
 地蕴天成·能动无限

# High-Efficiency CdTe PV Module



14.5%

Module Efficiency

10-Year Limited  
Product Warranty

25-Year Linear Per-  
formance Warranty

## Ruike Introduction

Zhongsan Ruike New Energy Co., Ltd (here after referred to as Ruike), a joint venture invested by Ming Yang Smart Energy Group., Ltd. was founded in August 2015 with the headquarter in Zhongshan Guangdong, China. Ruike has the world-class R&D team that has developed the core equipment and process with its own intellectual properties over many years. Our thin film module technology is featured with high-speed thin film deposition process, high energy conversion efficiency, excellent product stability, etc. Ruike is dedicated to manufacture cost-effective CdTe PV modules through continuous technological innovations and process improvements, in order to provide excellent products.

Fully committed to the development of green energy, Ruike is devoting all the efforts into the research and development, and the provision of the integrated energy solution .



## Proven Energy Yield Advantage

- Generates more energy than conventional crystalline silicon solar
- Superior temperature coefficient resulting in greater energy yield in typical field operating temperatures
- Superior spectral response resulting in a proven energy yield advantage in humid environments
- Anti-reflective coated glass enhances energy production



## Advanced Performance & Reliability

- Highly predictable energy in all climates and applications
- Independently certified for reliable performance in high temperature, high humidity, extreme desert and coastal environments



## End-Of-Life Recycling

Recycling services available through our recycling program or customer-selected third party



## Certification & Tests

ISO9001: 2008 | ISO Quality Management System  
 ISO14001:2004 | Environmental Management System  
 OHSAS18001:2007 | Occupational Health and Safety Management System

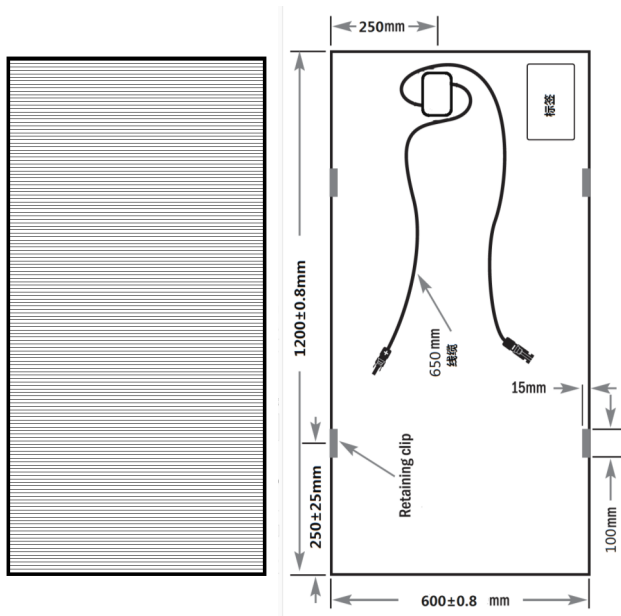
IEC 61215、IEC 61730、UL1703



**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 .**

Address : 13th Torch Road , Torch Development Zone  
 Zhongshan City,Guangdong Province,China  
 Tel : +86 760 2811 2299  
 Postcode : 528437  
 Web : www.rksolar.com.cn

## Mechanical Drawing



## Mechanical Specification

Size	1200×600×6.8mm
Weight	12kg
Area	0.72m <sup>2</sup>
Front Glass	3.2mm heat strength glass
Back Glass	3.2mm tempered glass
Leadwire	2.5mm <sup>2</sup> , 650±10mm
Connectors	MC4
Junction Box	IP67
Each box	50Pcs, 640Kg
Standard container cabinet (20feet)	15boxes, 750Pcs
Standard container cabinet (40feet)	30boxes, 1500Pcs

## Electrical Specification

Model		RK-1-90	RK-1-95	RK-1-100	RK-1-105
Nominal Power(±5%)	P <sub>mpp</sub> (W)	90W	95W	100W	105W
Voltage at Pmax	V <sub>mpp</sub> (V)	86.6V	87.4V	90.9V	94.0V
Current at Pmax	I <sub>mpp</sub> (I)	1.04A	1.09A	1.10A	1.12A
Open Circuit Voltage	V <sub>oc</sub> (V)	118.5V	119.2V	120V	120.7V
Short Circuit Current	I <sub>sc</sub> (A)	1.17A	1.18A	1.20A	1.21A

Standard Test Conditions(STC) : 1000W/m<sup>2</sup>、AM1.5、25°C.

## Temperature Characteristics

Temperature Range	-40°C~+85°C
Temperature Coefficient of P <sub>mpp</sub>	-0.28%/°C(25~75°C)
Temperature Coefficient of V <sub>oc</sub>	-0.28%/°C
Temperature Coefficient of I <sub>sc</sub>	+0.04%/°C

## Working Parameters

Maximum System Voltage	DC1000V(IEC)
Limiting Reverse Current	4A
Maximum Series Fuse	4A
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.

