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# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

**Jiangsu Runda PV Co., Ltd.**

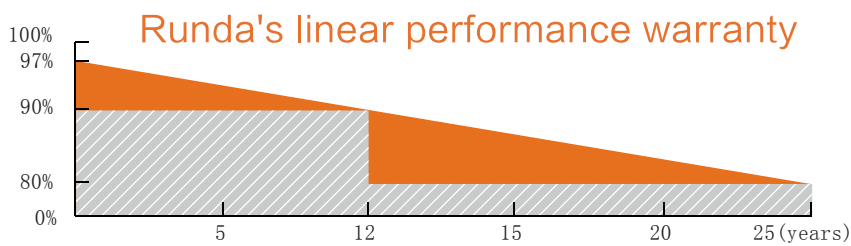
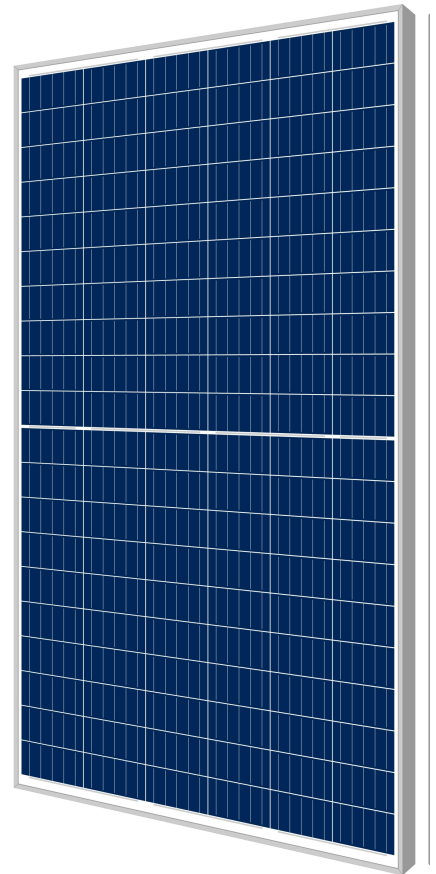
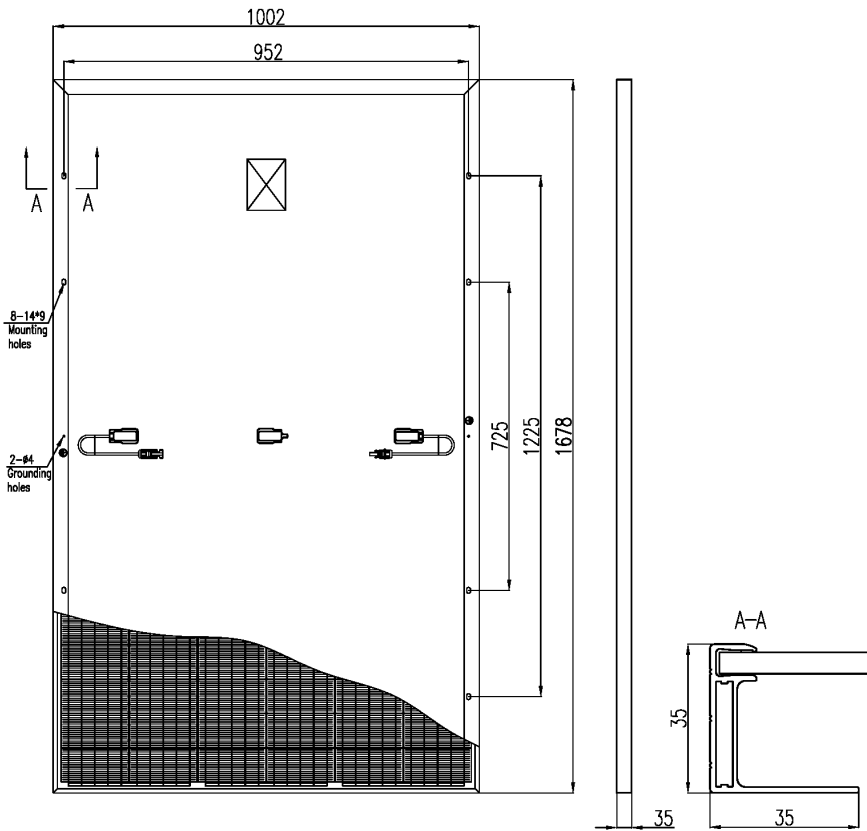
**RS280-300T-120**

**RS300T-120**

Also available on the web at  
[EnergyPal.com/jiangsu-runda-pv-co-ltd-solar-panels/rs300t-120](http://EnergyPal.com/jiangsu-runda-pv-co-ltd-solar-panels/rs300t-120)

# RS290T-120

- RS280T-120
- RS285T-120
- RS295T-120
- RS300T-120



**10** Years  
Material & Craft  
**Quality assurance**

**12** Years  
90% output  
**Power guarantee**

**25** Years  
80% output  
**Power guarantee**



ISO9001  
ISO14001  
OHSAS18001



High Module Efficiency



Mechanical Load  
Capability up to 8000 Pa



Salt Mist Corrosion Protect  
Ammonia Resistance



Potential Induced  
Degradation Free

Jiangsu Runda PV Co., Ltd.

Tel: +86-0510-83801000

Fax: +86-0510-83802000

Web: www.rundapv.com

E-mail: sales@rundapv.com

Add: Yanxiang Road 108, Ehu Town, Xishan District, Wuxi City, Jiangsu Province, P.R.China



# RS290T-120

- RS280T-120
- RS285T-120
- RS295T-120
- RS300T-120

## Electrical Characteristics

	TYPE	RS280T-120	RS285T-120	RS290T-120	RS295T-120	RS300T-120
STC 1000W/M <sup>2</sup> Module Temperature 25°C A.M.1.5	POWER OUTPUT	280	285	290	295	300
	MAXPOWER TOLERANCE	0-5W	0-5W	0-5W	0-5W	0-5W
	MODULE EFFICIENCY (%)	16.7	17.0	17.2	17.5	17.8
	VOLTAGE MPP Vmpp	31.67	31.84	32.12	32.56	32.93
	CURRENT MPP Impp (A)	8.84	8.95	9.03	9.06	9.11
	VOLTAGE OPEN CIRCUIT Voc	39.07	39.38	39.71	39.97	40.23
	SHORT CIRCUIT CURRENT Isc (A)	9.23	9.31	9.44	9.52	9.61
NOCT 800W/M <sup>2</sup> Environment Temperature 20°C A.M.1.5	POWER OUTPUT	214.18	218.01	221.83	225.66	229.48
	VOLTAGE MPP Vmpp (V)	29.08	29.24	29.50	29.90	30.24
	CURRENT MPP Impp (A)	7.36	7.46	7.52	7.55	7.59
	VOLTAGE OPEN CIRCUIT Voc (V)	35.67	35.95	36.25	36.49	36.72
	SHORT CIRCUIT CURRENT Isc (A)	7.86	7.93	8.04	8.10	8.18
TEMPERATURE COEFFICIENTS Isc	(% / °C)			0.057		
TEMPERATURE COEFFICIENTS Voc	(% / °C)			-0.334		
TEMPERATURE COEFFICIENTS Pmpp	(% / °C)			-0.402		
NOCT (°C)				45±2°C		

## Mechanical Data

DIMENSIONS OF MODULE	1678*1002*35mm
WEIGHT(Kg)	18.5
CABLE	4mm <sup>2</sup>
GLASS	High transmission glass 3.2mm
JUNCTION BOX	IP68, 3 Bypass-Diode, 300mm in length
TYPE OF CONNECTOR	Compatible with MC 4 plug

## Working Conditions

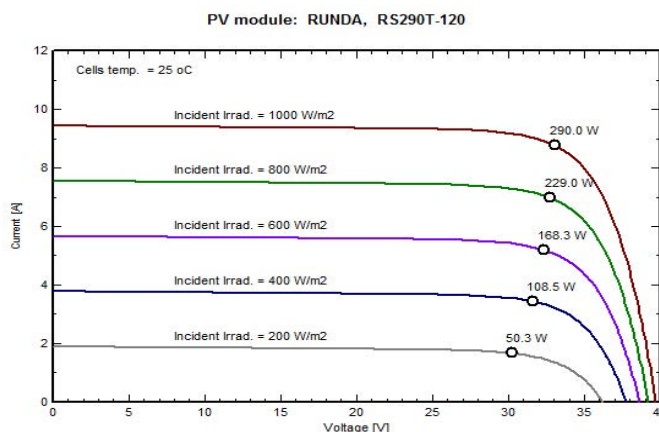
MAX SYSTEM VOLTAGE (VDC)	1500V
SERIES FUSE RATING	15A
MECHANICAL LOAD	≥5400Pa
OPERATING TEMPERATURE (°C)	-40~+85
APPLICATION CLASS	A

## Packaging Configuration

Loading Capacity	360 pcs/20GP
	832 pcs/40HC

## Contact Information

## I-V CURVES



Jiangsu Runda PV Co.,Ltd.

Tel: +86-0510-83801000 Fax: +86-0510-83802000  
 Web: www.rundapv.com E-mail: sales@rundapv.com  
 Add: Yanxiang Road 108, Ehu Town, Xishan District, Wuxi City, Jiangsu Province, P.R.China

