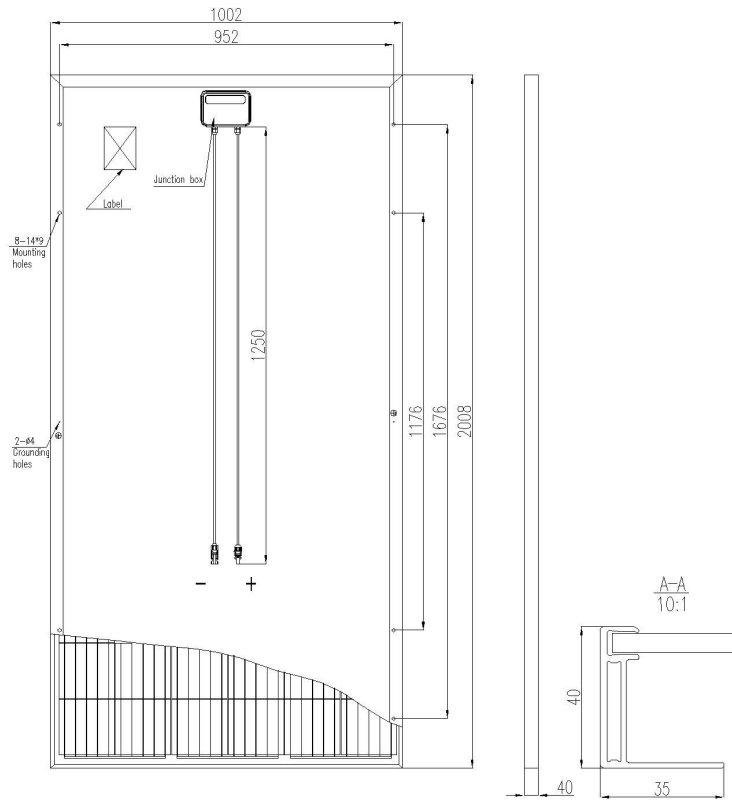


AT330P(B)-72

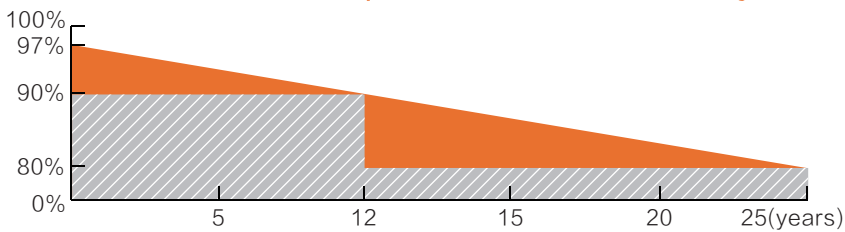
- AT310P(B)-72
- AT315P(B)-72
- AT320P(B)-72
- AT330P(B)-72

ATES

Beyond Perfection



ATES's linear performance warranty



10 Years
Material&Craft
Quality
assurance

12 Years
90% output
Power
guarantee

25 Years
80% output
Power
guarantee



ISO9001:BSI
ISO14001:BSI
OHSAS18001:BSI



High Module Efficiency



Mechanical Load
Capability up to 8000 Pa



Salt Mist Corrosion Protect
Ammonia Resistance



Potential Induced
Degradation Free

ATES Inc

TEL:+81-45-664-3597

FAX:+81-45-664-3596

WEB:<http://www.ates-jp.com>

E-MAIL: solar@ates-jp.com

ADD:KY Tokiwacho Bld. 7F, Tokiwacho 2-11, Naka-ku, Yokohama 231-0014, JAPAN



ISO 9001: 06515Q21080R0S IEC 61215, 61730

ATES

Beyond Perfection

AT330P(B)-72

- AT310P(B)-72
- AT315P(B)-72
- AT320P(B)-72
- AT330P(B)-72

Electrical Characteristics

	TYPE	AT310P-72	AT315P-72	AT320P-72	AT325P-72	AT330P-72
	POWER OUTPUT	310	315	320	325	330
	MAX POWER TOLERANCE	0-5W	0-5W	0-5W	0-5W	0-5W
STC 1000W/M ² Module Temperature 25°C A.M.1.5	MODULE EFFICIENCY (%)	16.0	16.2	16.5	16.7	17.0
	VOLTAGE MPP V _{mpp}	37.0	37.1	37.2	37.3	37.4
	CURRENT MPP I _{mpp} (A)	8.38	8.49	8.60	8.71	8.82
	VOLTAGE OPEN CIRCUIT V _{oc}	46.1	46.2	46.3	46.4	46.6
	SHORT CIRCUIT CURRENT I _{sc} (A)	8.92	9.02	9.13	9.23	9.34
	POWER OUTPUT	234.7	238.5	242.3	246.1	249.9
NOCT 800W/M ² Environment Temperature 20°C A.M.1.5	VOLTAGE MPP V _{mpp} (V)	33.7	33.8	33.9	34.0	34.1
	CURRENT MPP I _{mpp} (A)	6.96	7.05	7.14	7.23	7.33
	VOLTAGE OPEN CIRCUIT V _{oc} (V)	41.9	42.0	42.1	42.2	42.3
	SHORT CIRCUIT CURRENT I _{sc} (A)	7.64	7.73	7.82	7.91	8.00
TEMPERATURE COEFFICIENTS I _{sc}	(% / °C)			0.088		
TEMPERATURE COEFFICIENTS V _{oc}	(% / °C)			-0.352		
TEMPERATURE COEFFICIENTS P _{mpp}	(% / °C)			-0.442		
NOCT (°C)				45±2°C		

Mechanical Data

DIMENSIONS OF MODULE	2008*1002*40mm
WEIGHT(Kg)	24
CABLE	TUV Certified 4mm ²
GLASS	High transmission glass 3.2mm
JUNCTION BOX	3 Bypass-Diode
TYPE OF CONNECTOR	Compatible with MC 4 plug

Packaging Configuration

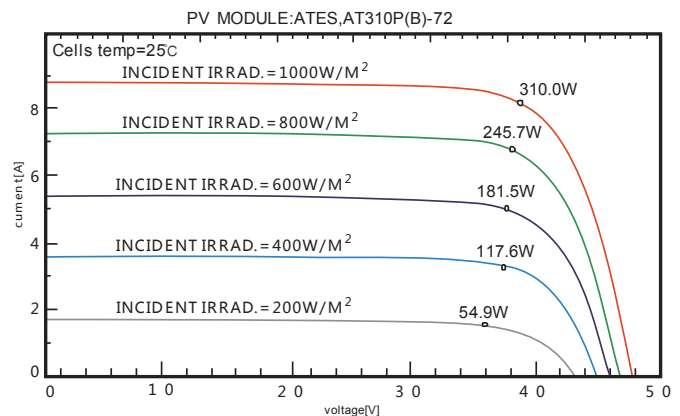
Loading Capacity	230 pcs/20GP
	550 pcs/40HC

Contact Information

Working Conditions

MAX SYSTEM VOLTAGE (VDC)	1000V
SERIES FUSE RATING	15A
MECHANICAL LOAD	≥5400Pa
OPERATING TEMPERATURE (°C)	-40~+85
APPLICATION CLASS	A

I-V CURVES



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