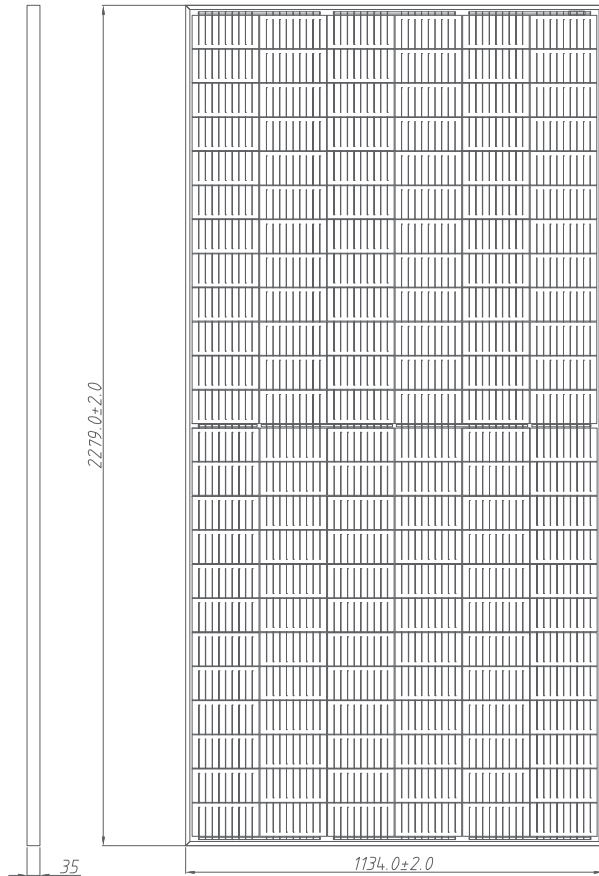


ATES-S144/M10H-550

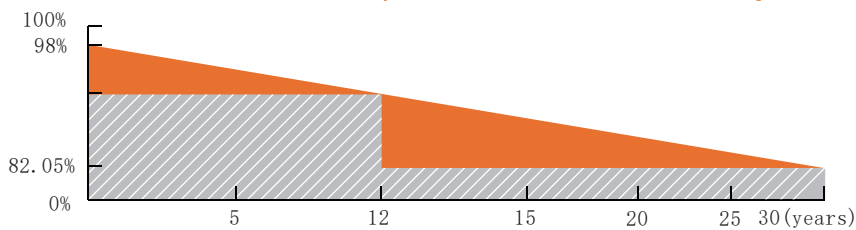
- ATES-S144/M10H-540
- ATES-S144/M10H-545
- ATES-S144/M10H-550
- ATES-S144/M10H-555
- ATES-S144/M10H-560

ATES

Beyond Perfection



ATES's linear performance warranty



12
Years

Materials and
workmanship warranty

30
Years

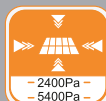
Linear power
warranty



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

WEB:<https://ates.co.jp>

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

FAX:+81-45-664-3596

E-MAIL: solar@ates.co.jp



ISO 9001: 06515Q21080R0S IEC 61215, 61730

ATES

Beyond Perfection

ATES-S144/M10H-550

- ATES-S144/M10H-540
- ATES-S144/M10H-545
- ATES-S144/M10H-550
- ATES-S144/M10H-555
- ATES-S144/M10H-560



Electrical Characteristics

TYPE		540	545	550	555	560
STC 1000W/M ² Module Temperature 25°C A.M.1.5	POWER OUTPUT	540	545	550	555	560
	MAX POWER TOLERANCE	0-5W	0-5W	0-5W	0-5W	0-5W
	MODULE EFFICIENCY (%)	20.9	21.1	21.3	21.5	21.7
	VOLTAGE MPP V _{mpp}	41.9	42.1	42.3	42.5	42.7
	CURRENT MPP I _{mp} (A)	12.89	12.95	13.00	13.06	13.12
	VOLTAGE OPEN CIRCUIT V _{oc}	50.6	50.8	51.0	51.2	51.4
NOCT 800W/M ² Environment Temperature 20°C A.M.1.5	SHORT CIRCUIT CURRENT I _{sc} (A)	13.59	13.66	13.73	13.81	13.87
	POWER OUTPUT	402	406	410	422	420
	VOLTAGE MPP V _{mpp} (V)	39.4	39.6	39.8	40.0	40.2
	CURRENT MPP I _{mp} (A)	10.20	10.25	10.30	10.55	10.60
	VOLTAGE OPEN CIRCUIT V _{oc} (V)	47.9	48.1	48.3	48.5	48.7
	SHORT CIRCUIT CURRENT I _{sc} (A)	10.69	10.75	10.81	11.09	11.15
TEMPERATURE COEFFICIENTS I _{sc} (% / °C)		0.040				
TEMPERATURE COEFFICIENTS V _{oc} (% / °C)		-0.25				
TEMPERATURE COEFFICIENTS P _{mp} (% / °C)		-0.34				
NOCT (°C)		43±2°C				

Mechanical Data

DIMENSIONS OF MODULE	2279*1134*35mm
WEIGHT(Kg)	29
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

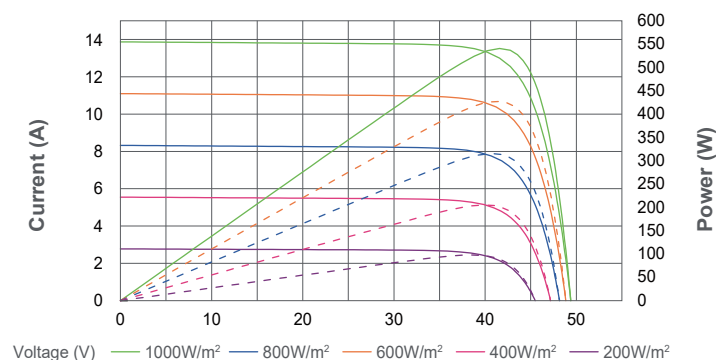
Loading Capacity	620 pcs/40HC
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Contact Information

Working Conditions

MAX SYSTEM VOLTAGE (VDC)	1000V
SERIES FUSE RATING	25A
MECHANICAL LOAD	≥5400Pa
OPERATING TEMPERATURE (°C)	-40~+85
APPLICATION CLASS	A

I-V CURVES



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