

KODAK Solar Module

440-455/M Series

450W Half-cell Module

This time-tested legacy module series has been proven to be one of the powerful and most reliable products offered by Blue Mountain Energy and the most popular choice by PV system installers and customers around the world.



High module efficiency



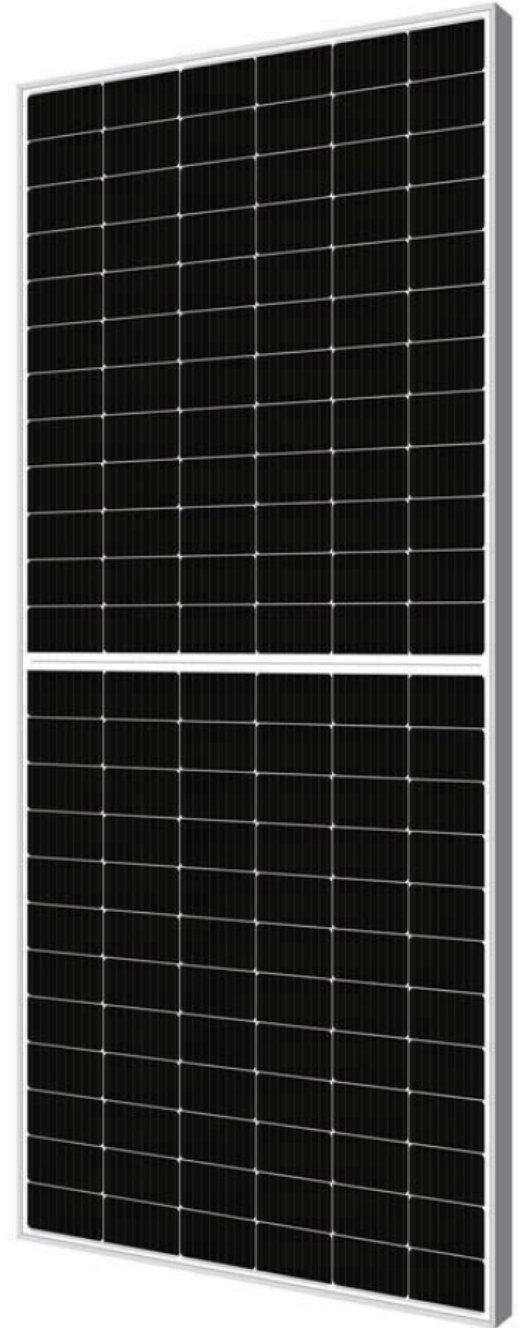
Salt mist corrosion protection & Ammonia Resistance



Potential Induced Degradation Free

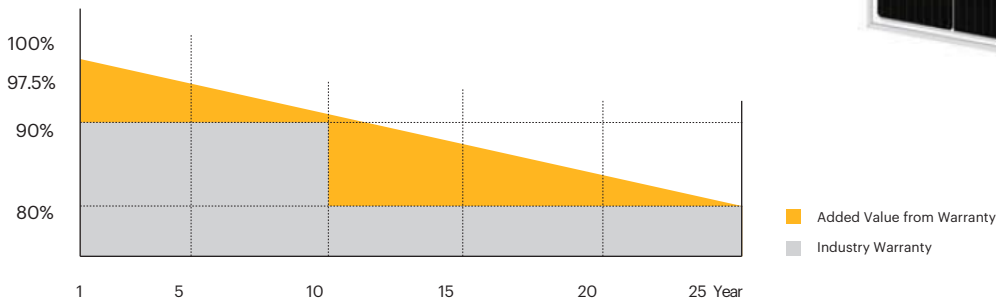


Mechanical load capability up to 5400 Pa

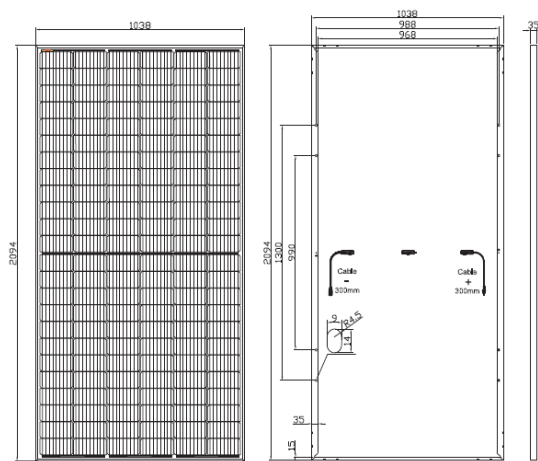


Superior Warranty

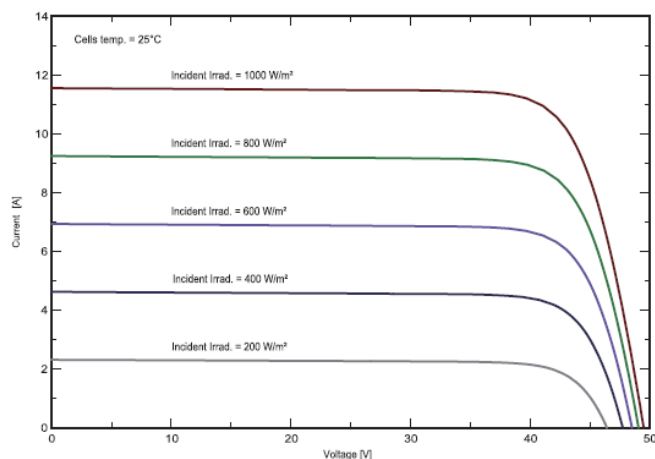
- 12-year product warranty
- 25-year linear power output warranty



MECHANICAL DATA



I-V CURVES



ELETRICAL CHARACTERISTICS

	TYPE	LF 440M8-72H	LF 445M8-72H	LF 450M8-72H	LF 455M8-72H
STC 1000W/M ² Module Temperature 25°C A.M.1.5	POWER OUTPUT	440	445	450	455
	MAX POWER TOLERANCE	0-5W	0-5W	0-5W	0-5W
	MODULE EFFICIENCY (%)	20.2	20.5	20.7	20.9
	VOLTAGE MPP V _{mpp}	41.08	41.28	41.47	41.70
	CURRENT MPP I _{mpp} (A)	10.71	10.78	10.85	10.91
	VOLTAGE OPEN CIRCUIT V _{oc}	49.05	49.28	49.51	49.75
	SHORT CIRCUIT CURRENT I _{sc} (A)	11.41	11.48	11.56	11.62
NOCT 800W/M ² Environment Temperature 20°C A.M.15	POWER OUTPUT	338.02	341.86	345.70	349.54
	VOLTAGE MPP V _{mpp} (V)	37.45	37.63	37.81	37.99
	CURRENT MPP I _{mpp} (A)	9.03	9.09	9.14	9.20
	VOLTAGE OPEN CIRCUIT V _{oc} (V)	45.29	45.50	45.73	45.96
	SHORT CIRCUIT CURRENT I _{sc} (A)	9.71	9.77	9.83	9.89
TEMPERATURE COEFFICIENTS I _{sc} (% / °C)			0.046		
TEMPERATURE COEFFICIENTS V _{oc} (% / °C)			-0.276		
TEMPERATURE COEFFICIENTS P _{mpp} (% / °C)			-0.381		
NOCT (°C)			45±2°C		

MECHANICAL DATA

DIMENSIONS OF MODULE	2094*1038*35mm
WEIGHT (Kg)	24.0
CABLE	4mm ²
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	20A
MECHANICAL LOAD	5400Pa
OPERATING TEMPERATURE (°C)	-40~+85
APPLICATION CLASS	A

