

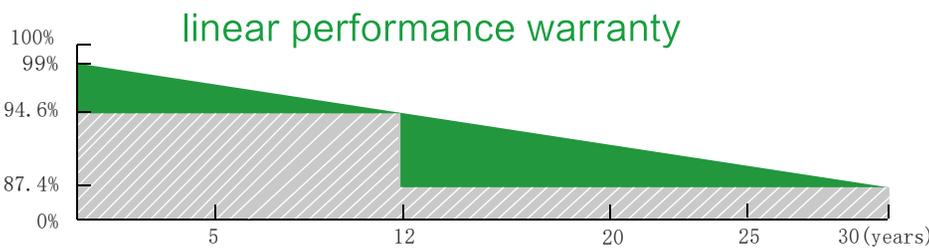
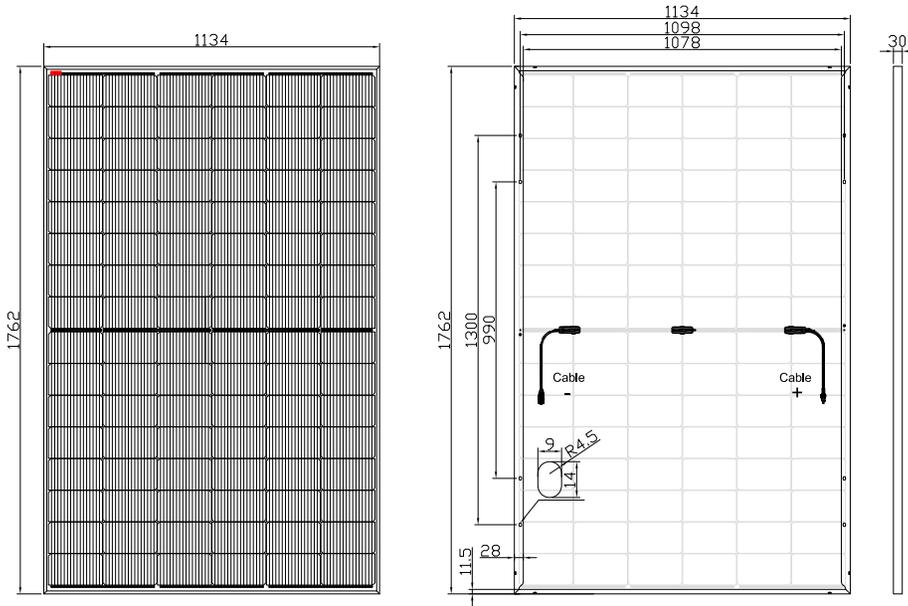
N-type LF460M10N-48H/BF

- LF440M10N-48H/BF
- LF445M10N-48H/BF
- LF450M10N-48H/BF
- LF455M10N-48H/BF

BIFACIAL MODULE
WITH DUAL GLASS



Ningbo Lefeng New Energy Co.,Ltd



12 Years
Material & Craft
Quality
assurance

30 Years
87.4% output
Power
guarantee



ISO9001
ISO14001
OHSAS18001



High Module Efficiency



Mechanical Load
Capability up to 5400 Pa



Salt Mist Corrosion Protect
Ammonia Resistance



Potential Induced
Degradation Free

Ningbo Lefeng New Energy Co.,Ltd

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Add: No. 55 Haihe Road, Binhai Industrial Park, Xiangshan County, Ningbo, 315700, China



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Electrical Characteristics

	TYPE	LF440M10N-48H/BF	LF445M10N-48H/BF	LF450M10N-48H/BF	LF455M10N-48H/BF	LF460M10N-48H/BF	
STC 1000W/M ²	POWER OUTPUT	440	445	450	455	460	
	MAX POWER TOLERANCE	0-5W	0-5W	0-5W	0-5W	0-5W	
	MODULE EFFICIENCY(%)	22.0	22.3	22.5	22.8	23.0	
	Temperature 25°C A.M.1.5	VOLTAGE MPP V _{mpp} (V)	29.57	29.81	30.05	30.28	30.53
		CURRENT MPP I _{mpp} (A)	14.88	14.93	14.98	15.03	15.07
		VOLTAGE OPEN CIRCUIT V _{oc} (V)	35.43	35.69	35.95	36.21	36.47
SHORT CIRCUIT CURRENT I _{sc} (A)		15.61	15.65	15.69	15.75	15.81	
NOCT 800W/M ² Environmen Temperatur 20°C A.M.1.5	POWER OUTPUT	333	337	341	346	350	
	VOLTAGE MPP V _{mpp} (V)	27.84	28.08	28.32	28.59	28.86	
	CURRENT MPP I _{mpp} (A)	11.96	12.00	12.04	12.08	12.12	
	VOLTAGE OPEN CIRCUIT V _{oc} (V)	33.52	33.77	34.02	34.26	34.51	
	SHORT CIRCUIT CURRENT I _{sc} (A)	12.57	12.60	12.63	12.67	13.70	
Different rear side power gain	P _{max} Gain	P _{mpp}	P _{mpp}	P _{mpp}	P _{mpp}	P _{mpp}	
	5%	462W	467W	473W	478W	483W	
	10%	484W	490W	495W	501W	506W	
	15%	506W	512W	518W	523W	529W	
	20%	528W	534W	540W	546W	552W	
TEMPERATURE COEFFICIENTS I _{sc} (%/°C)				0.045			
TEMPERATURE COEFFICIENTS V _{oc} (%/°C)				-0.250			
TEMPERATURE COEFFICIENTS P _{mpp} (%/°C)				-0.290			
NMOT (°C)				43±3°C			

Mechanical Data

Number of Cells	96(6*8*2)/182*105mm
DIMENSIONS OF MODULE	1762*1134*30 mm
WEIGHT(Kg)	24.0
CABLE	4mm ²
Front & Back Glass	2.0mm-2.0mm
JUNCTION BOX	IP68, 3 Bypass-Diode, 300mm in length
TYPE OF CONNECTOR	Compatible with MC 4 plug
FRAME	Anodized Aluminum Alloy Frame

Packaging Configuration

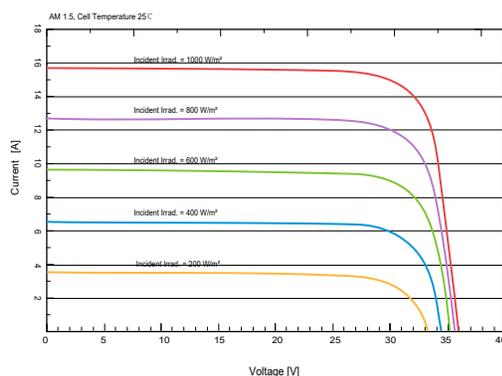
Loading Capacity	222 pcs/20GP
	962 pcs/40HC

Contact Information

Working Conditions

MAX SYSTEM VOLTAGE	1500V
SERIES FUSE RATING	35A
MECHANICAL LOAD	5400Pa
OPERATING TEMPERATURE (°C)	-40~+85
APPLICATION CLASS	A

I-V CURVES



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