

# N-type

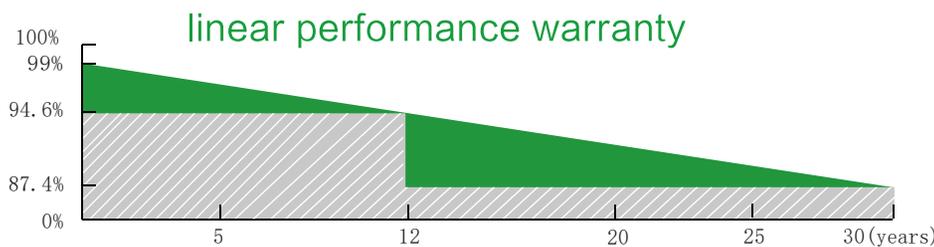
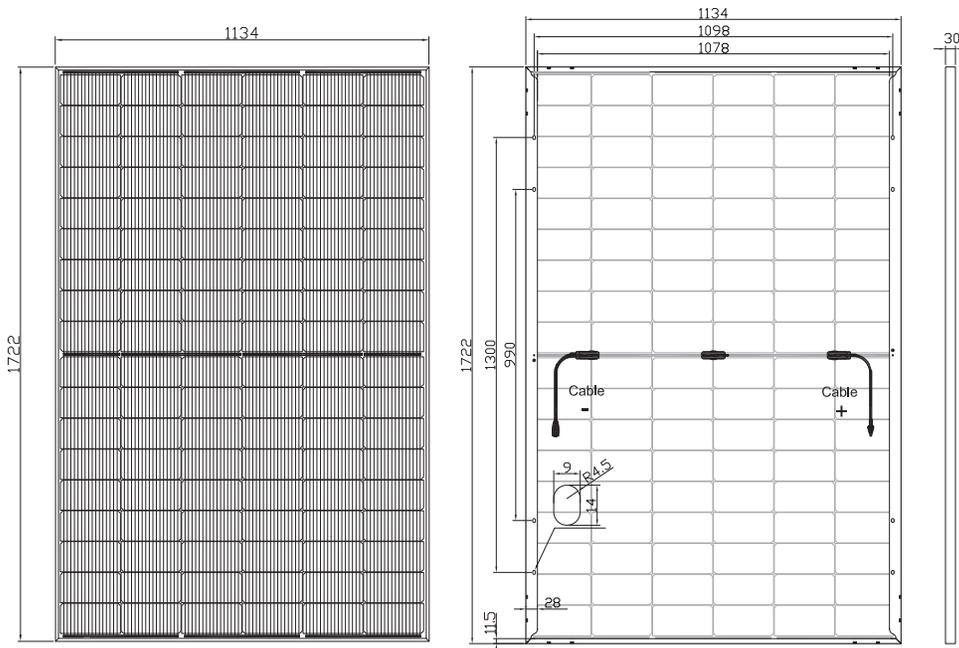
## LF450M10N-54H/BF

- LF430M10N-54H/BF
- LF435M10N-54H/BF
- LF440M10N-54H/BF
- LF445M10N-54H/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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## Electrical Characteristics

	TYPE	LF430M10N-54H/BF	LF435M10N-54H/BF	LF440M10N-54H/BF	LF445M10N-54H/BF	LF450M10N-54H/BF
STC 1000W/M <sup>2</sup> Temperature 25°C A.M.1.5	POWER OUTPUT	430	435	440	445	450
	MAX POWER TOLERANCE	0-5W	0-5W	0-5W	0-5W	0-5W
	MODULE EFFICIENCY(%)	22.02	22.28	22.53	22.79	23.04
	VOLTAGE MPP Vmpp(V)	31.99	32.16	32.31	32.46	32.61
	CURRENT MPP Impp (A)	13.44	13.53	13.62	13.71	13.80
	VOLTAGE OPEN CIRCUIT Voc (V)	38.40	38.59	38.78	38.97	39.16
NOCT 800W/M <sup>2</sup> Environment Temperature 20°C A.M.1.5	SHORT CIRCUIT CURRENT Isc(A)	14.21	14.34	14.44	14.53	14.62
	POWER OUTPUT	326.8	330.6	334.4	338.2	342.0
	VOLTAGE MPP Vmpp(V)	29.29	29.51	29.65	29.79	29.93
	CURRENT MPP Impp(A)	11.16	11.20	11.28	11.35	11.43
	VOLTAGE OPEN CIRCUIT Voc (V)	35.68	35.88	36.05	36.23	36.41
	SHORT CIRCUIT CURRENT Isc(A)	11.94	11.99	12.07	12.15	12.23
Different rear side power gain	Pmax Gain	Pmpp	Pmpp	Pmpp	Pmpp	Pmpp
	5%	452W	457W	462W	467W	473W
	10%	473W	479W	484W	490W	495W
	15%	495W	500W	506W	512W	518W
	20%	516W	522W	528W	534W	540W
TEMPERATURE COEFFICIENTS Isc (%/°C)				0.045		
TEMPERATURE COEFFICIENTS Voc (%/°C)				-0.250		
TEMPERATURE COEFFICIENTS Pmpp (%/°C)				-0.290		
NMOT (°C)				43±3°C		

## Mechanical Data

Number of Cells	108(6*9*2)/182*91mm
DIMENSIONS OF MODULE	1722*1134*30 mm
WEIGHT(Kg)	23.5
CABLE	4mm <sup>2</sup>
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

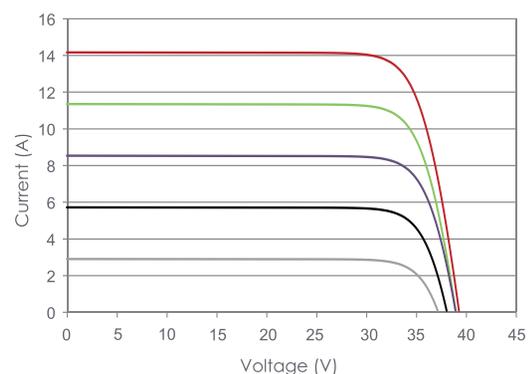
Loading Capacity	222 pcs/20GP
	962 pcs/40HC

## Contact Information

## Working Conditions

MAX SYSTEM VOLTAGE	1500V
SERIES FUSE RATING	30A
MECHANICAL LOAD	5400Pa
OPERATING TEMPERATURE (°C)	-40~+85
APPLICATION CLASS	A

## I-V CURVES



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