

N-type

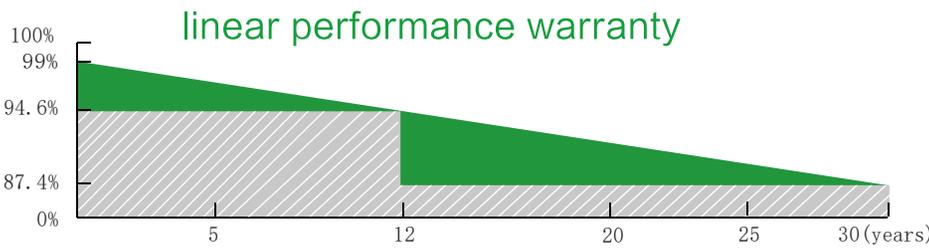
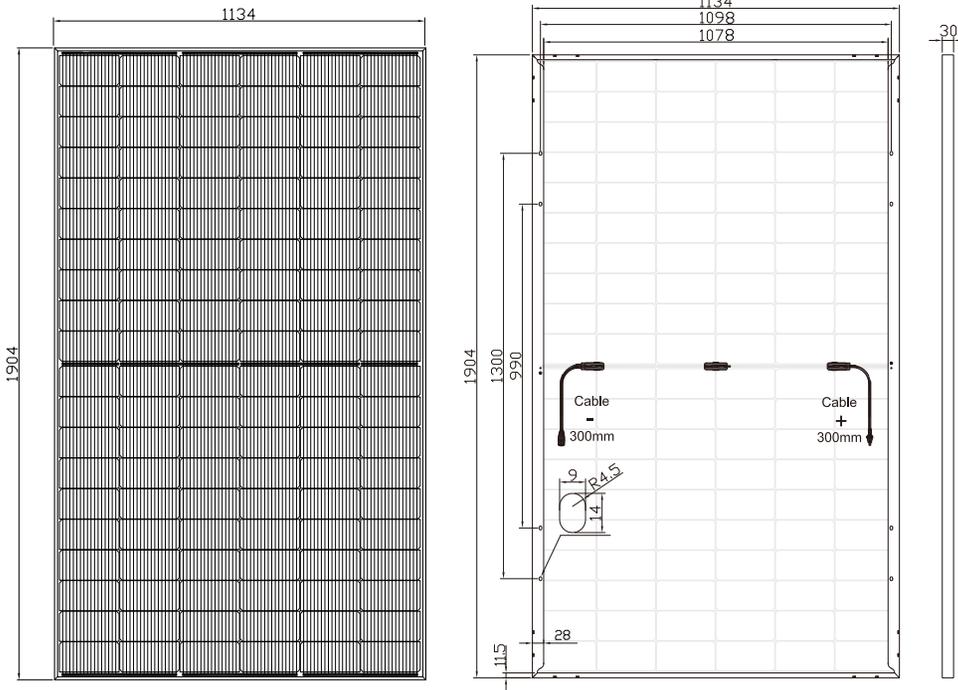
LF490M10N-60H/BF

- LF470M10N-60H/BF
- LF475M10N-60H/BF
- LF480M10N-60H/BF
- LF485M10N-60H/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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N-type

LF490M10N-60H/BF

BIFACIAL MODULE
WITH DUAL GLASS



Ningbo Lefeng New Energy Co.,Ltd

- LF470M10N-60H/BF
- LF475M10N-60H/BF
- LF480M10N-60H/BF
- LF485M10N-60H/BF

Electrical Characteristics

	TYPE	LF470M10N-60H/BF	LF475M10N-60H/BF	LF480M10N-60H/BF	LF485M10N-60H/BF	LF490M10N-60H/BF	
STC 1000W/M ²	POWER OUTPUT	470	475	480	485	490	
	MAX POWER TOLERANCE	0-5W	0-5W	0-5W	0-5W	0-5W	
	MODULE EFFICIENCY(%)	21.77	22.0	22.23	22.46	22.69	
	Temperature 25°C A.M.1.5	VOLTAGE MPP Vmpp(V)	35.15	35.37	35.58	35.79	35.97
		CURRENT MPP Impp(A)	13.37	13.43	13.49	13.55	13.62
		VOLTAGE OPEN CIRCUIT Voc(V)	42.32	42.51	42.70	42.89	43.08
SHORT CIRCUIT CURRENT Isc(A)		14.14	14.20	14.26	14.32	14.43	
NOCT 800W/M ² Environmen Temperatur 20°C A.M.1.5	POWER OUTPUT	357.2	361	364.8	368.6	372.4	
	VOLTAGE MPP Vmpp(V)	31.99	32.19	32.38	32.57	32.73	
	CURRENT MPP Impp(A)	11.17	11.21	11.27	11.32	11.38	
	VOLTAGE OPEN CIRCUIT Voc(V)	39.36	39.53	39.71	39.89	40.07	
	SHORT CIRCUIT CURRENT Isc(A)	11.95	12.00	12.05	12.11	12.17	
Different rear side power gain	Pmax Gain	Pmpp	Pmpp	Pmpp	Pmpp	Pmpp	
	5%	494W	499W	504W	509W	515W	
	10%	517W	523W	528W	534W	539W	
	15%	541W	546W	552W	558W	564W	
	20%	564W	570W	576W	582W	588W	
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	120(6*10*2)/182*91mm
DIMENSIONS OF MODULE	1904*1134*30 mm
WEIGHT(Kg)	26.0
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

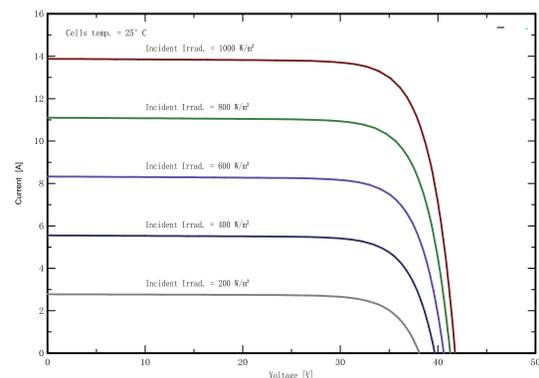
Loading Capacity	222 pcs/20GP
	888 pcs/40HC

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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