

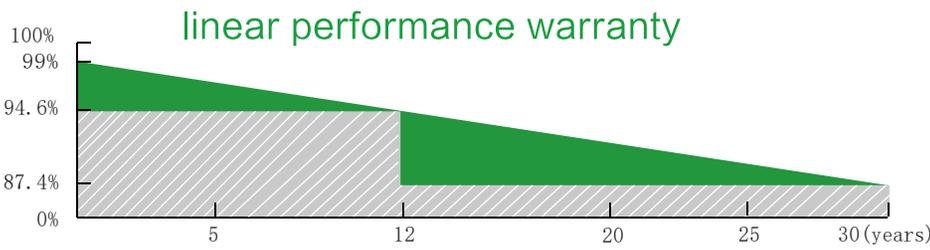
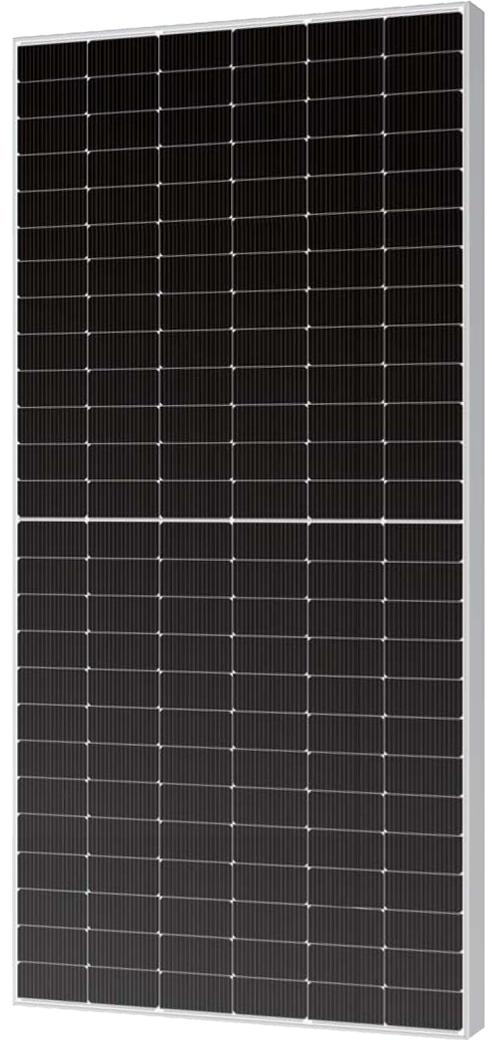
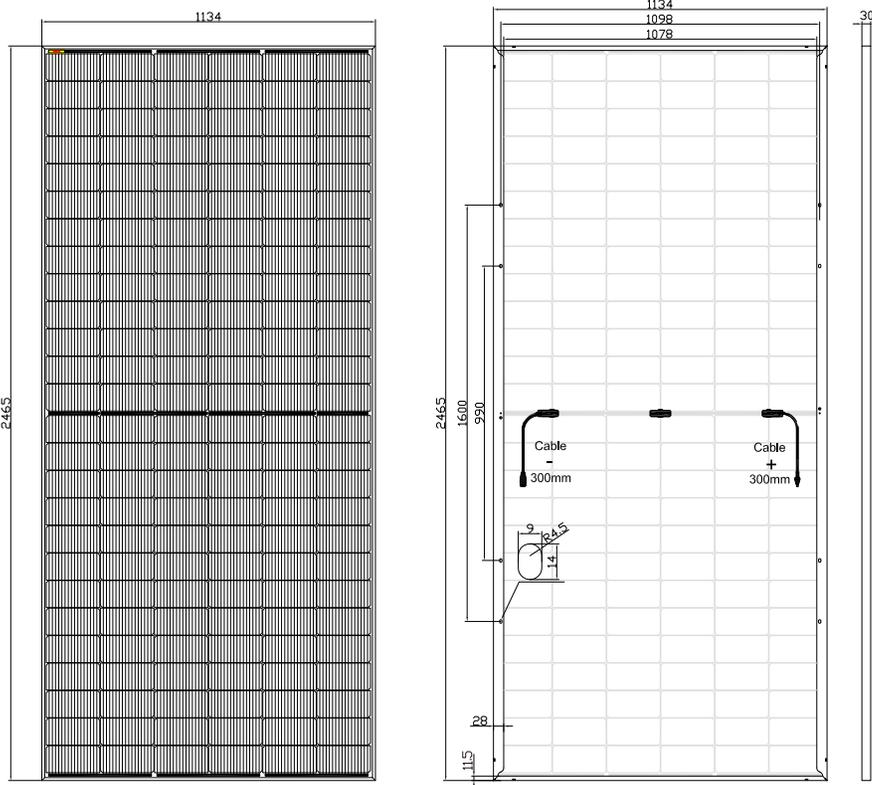
# N-type LF650M10N-78H/BF

- LF630M10N-78H/BF
- LF635M10N-78H/BF
- LF640M10N-78H/BF
- LF645M10N-78H/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	LF630M10N-78H/BF	LF635M10N-78H/BF	LF640M10N-78H/BF	LF645M10N-78H/BF	LF650M10N-78H/BF
	POWER OUTPUT	630	635	640	645	650
STC 1000W/M <sup>2</sup>	MAX POWER TOLERANCE	0-5W	0-5W	0-5W	0-5W	0-5W
	MODULE EFFICIENCY(%)	22.54	22.72	22.90	23.07	23.25
Temperature 25°C A.M.1.5	VOLTAGE MPP Vmpp(V)	46.49	46.65	46.82	46.98	47.14
	CURRENT MPP Impp (A)	13.55	13.61	13.67	13.73	13.79
	VOLTAGE OPEN CIRCUIT Voc (V)	55.74	55.93	56.11	56.29	56.48
	SHORT CIRCUIT CURRENT Isc(A)	14.36	14.43	14.47	14.54	14.60
NOCT 800W/M <sup>2</sup> Environmen Temperatur 20°C A.M.1.5	POWER OUTPUT	478.8	482.6	486.4	490.2	494.0
	VOLTAGE MPP Vmpp(V)	42.59	42.74	42.89	43.04	43.19
	CURRENT MPP Impp (A)	11.24	11.29	11.34	11.39	11.44
	VOLTAGE OPEN CIRCUIT Voc (V)	51.84	52.01	52.18	52.35	52.52
Different rear side power gain	SHORT CIRCUIT CURRENT Isc(A)	12.03	12.08	12.13	12.18	12.23
	Pmax Gain	Pmpp	Pmpp	Pmpp	Pmpp	Pmpp
	5%	662W	667W	672W	677W	683W
	10%	693W	699W	704W	710W	715W
	15%	725W	730W	736W	742W	748W
	20%	756W	762W	768W	774W	780W
	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	156 (6*13*2)/182*91mm
DIMENSIONS OF MODULE	2465*1134*30 mm
WEIGHT(Kg)	34.0
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

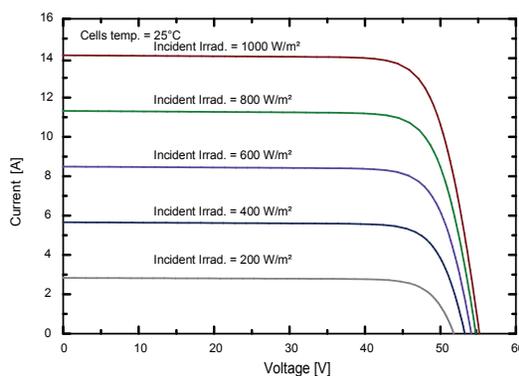
Loading Capacity	148 pcs/20GP
	592 pcs/40HC

## 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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