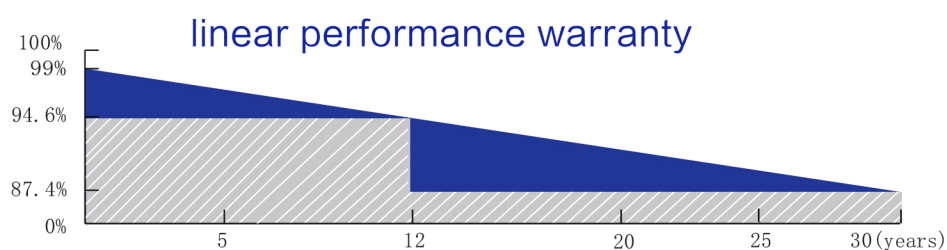
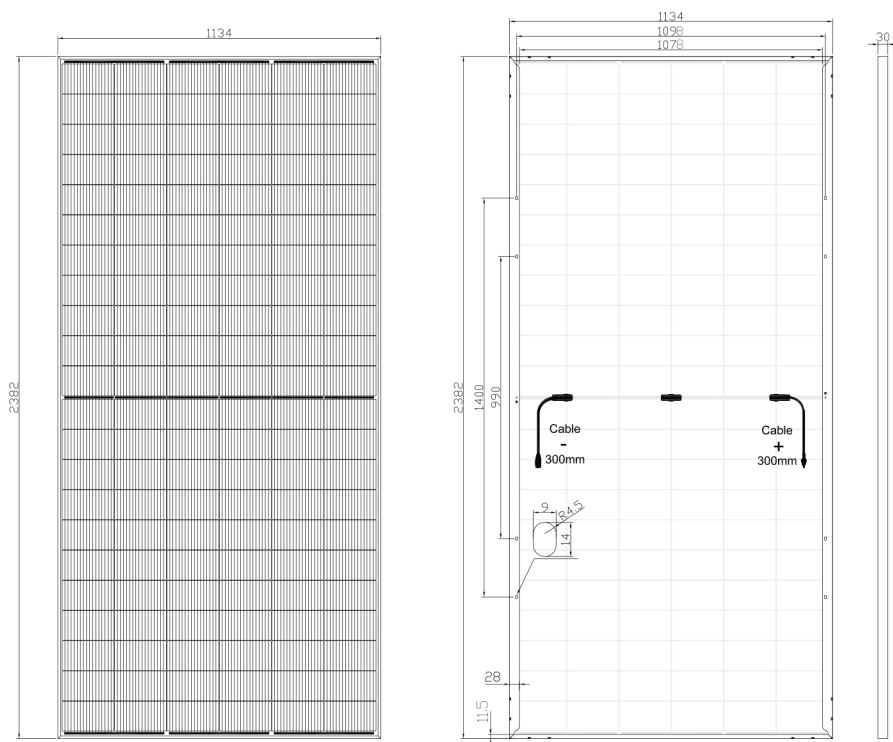


SOLAR PANEL

590 WATTS

LW-MS-590W



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

PID
FREE

Potential Induced
Degradation Free

SOLAR PANEL

590 WATTS

LW-MS-590W



Electrical Characteristics

	POWER OUTPUT	590	595	600	605	610	615	620
STC 1000W/M ²	MAX POWER TOLERANCE	0-5W	0-5W	0-5W	0-5W	0-5W	0-5W	0-5W
	MODULE EFFICIENCY(%)	21.8	22.0	22.2	22.4	22.6	22.8	23.0
Temperature 25°C A.M.1.5	VOLTAGE MPP V _{mpp} (V)	39.71	39.91	40.11	40.31	40.51	40.71	40.91
	CURRENT MPP I _{mp} (A)	14.86	14.91	14.96	15.01	15.06	15.11	15.16
	VOLTAGE OPEN CIRCUIT V _{oc} (V)	47.77	48.01	48.25	48.49	48.73	48.98	49.22
	SHORT CIRCUIT CURRENT I _{sc} (A)	15.74	15.80	15.86	15.91	15.96	16.01	16.06
NOCT 800W/M ² Environmen Temperatur 20°C A.M.1.5	POWER OUTPUT	448.7	452.2	456.0	459.8	463.6	467.4	471.2
	VOLTAGE MPP V _{mpp} (V)	36.42	36.60	36.78	36.96	37.15	37.33	37.51
	CURRENT MPP I _{mp} (A)	12.32	12.36	12.40	12.44	12.48	12.52	12.57
	VOLTAGE OPEN CIRCUIT V _{oc} (V)	44.46	44.68	44.90	45.13	45.35	45.58	45.80
	SHORT CIRCUIT CURRENT I _{sc} (A)	13.18	13.22	13.27	13.31	13.35	13.40	13.44
Different rear side power gain	Pmax Gain	P _{mp}	P _{mp}	P _{mp}	P _{mp}	P _{mp}	P _{mp}	P _{mp}
	5%	620W	625W	630W	635W	641W	646W	651W
	10%	649W	655W	660W	666W	671W	677W	682W
	15%	679W	684W	690W	696W	702W	707W	713W
	20%	708W	714W	720W	726W	732W	738W	744W
TEMPERATURE COEFFICIENTS I _{sc} (%/°C)					0.045			
TEMPERATURE COEFFICIENTS V _{oc} (%/°C)					-0.250			
TEMPERATURE COEFFICIENTS P _{mp} (%/°C)					-0.290			
NMOT (°C)					43±3°C			

Mechanical Data

Number of Cells	132 (6*11*2)
DIMENSIONS OF MODULE	2382*1134*30 mm
WEIGHT(Kg)	33.5
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	Aluminum Alloy Anodized Aluminum Alloy Frame

Packaging Configuration

Loading Capacity	144 pcs/20GP
	720 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

