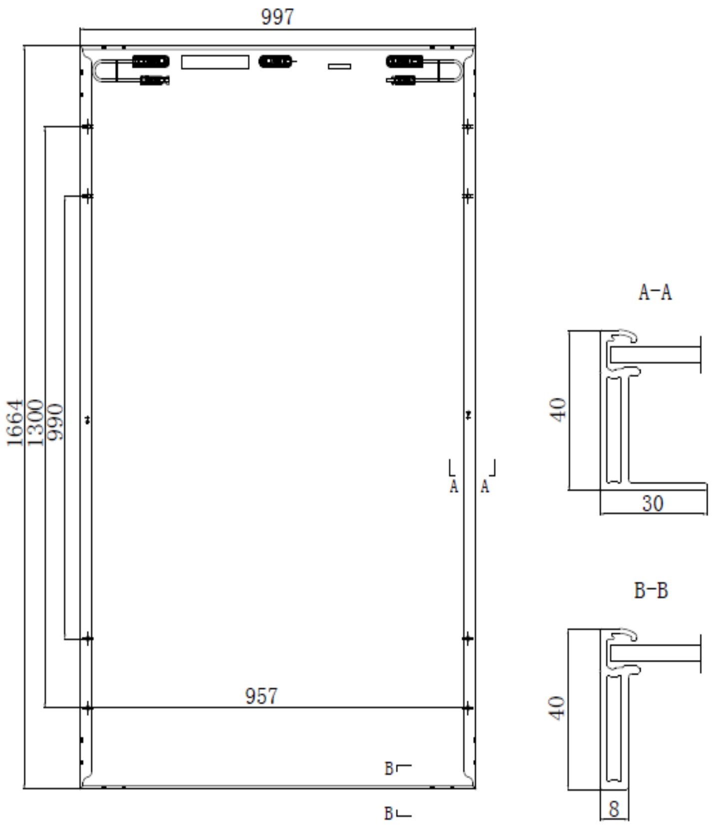
LONGi Solar

LR6-60BP / 290~310W

Draft V01

Mechanical Detail (mm)



Mechanical Parameters

Number of Cells:	60 (6×10)
Junction Box :	IP67 , three diodes, split Jbox
Output Cable :	$4mm^2$,300mm
	Can be customized
Connector :	MC4 or compatible with MC4
Weigth :	22kg
Dimension :	1664×997×40mm
Packaging :	26pcs per pallet

Operating Parameters

Operating Temperature :	-40℃ ~ +85℃
Power Tolerance :	0 ~ +5 W
Tolerance between Voc&Isc :	±3%
Maximum System Voltage(V) :	DC1500V (IEC)
Maximum Series Fuse Rating :	15A
NOCT :	45±2℃
Protection Level :	Class Ⅱ
Bifacial Factor :	⩾75%

Temp. Coefficient (STC)

Temperature Coefficient of Isc	+0.060%/℃
Temperature Coefficient of Voc	-0.300%/℃
Temperature Coefficient of Pm	-0.380%/℃

Mechanical Loading

Maximum Front Static Load(Snow or Wind)	5400Pa
Maximum Rear Static Load(Wind)	2400Pa
Pass the Hailstone Test	25mm Hailstone at the speed of 23m/s

Electrical Characteristics

STC

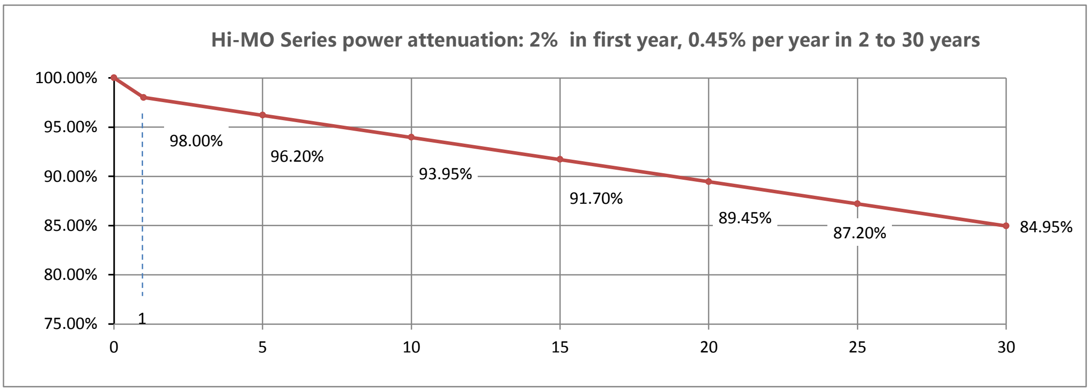
Type	LR6-60BP-290M		LR6-60BP-295M		LR6-60BP-300M		LR6-60BP-305M		LR6-60BP-310M	
Testing Condition	Front	Back	Front	Back	Front	Back	Front	Back	Front	Back
Maximum Power (Pmax /W)	290	220.9	295	224.8	300	228.7	305	232.4	310	236.2
Open Circuit Voltage (Voc/V)	39.2	39.1	39.4	39.3	39.6	39.5	39.8	39.7	40.0	39.9
Short Circuit Current (Isc /A)	9.36	7.25	9.47	7.33	9.58	7.42	9.69	7.51	9.80	7.59
Voltage at Maximum Power (Vmp/V)	32.6	33.5	32.7	33.7	32.9	33.9	33.1	34.0	33.2	34.2
Current at Maximum Power (Imp /A)	8.90	6.60	9.01	6.68	9.11	6.75	9.22	6.84	9.33	6.91
Module Efficiency (%)	17.5	13.3	17.8	13.5	18.1	13.8	18.4	14.0	18.7	14.2
STC (Standard Testing Condition) : Irradiance 1000W/m2 , Cell Temperature 25℃ , Spectra AM1.5										

Total Electrical Output based on different extra output on the back (Take 300W for example)

Pmax /W	Voc/V	Isc /A	Vmp/V	Imp /A	Output Gain
315	39.6	9.94	32.9	9.58	5%
330	39.6	10.40	32.9	10.04	10%
360	39.7	11.35	32.8	10.98	20%
375	39.7	11.82	32.8	11.44	25%

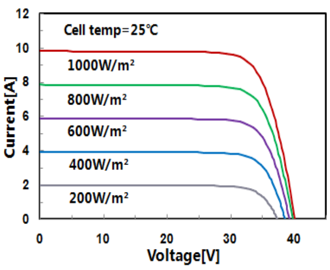
Quality Assurance

10-year Warranty for Materials and Processing, 30-year Warranty for Extra Linear Power Output

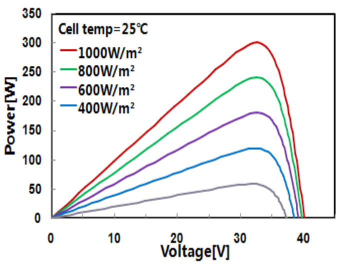


I-V Curve

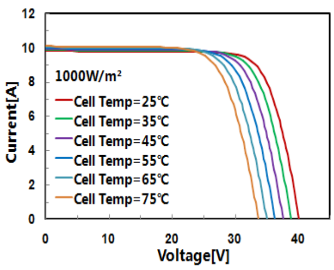
Current-Voltage Curve (LR6-60BP-300M)



Power-Voltage Curve (LR6-60BP-300M)



Current-Voltage Curve (LR6-60BP-300M)



Note: Due to continuous technical innovation. R&D and improvemeabovent, technical data above mentioned may be of modification accordingly. LONGi Solar have the sole right to make such modification at anytime without further notice; Demanding party shall request for the latest datasheet for such as contract need, and make it a consisting anf binding part of lawful documentation duly signed by both