

**Lingtech Bifacial N-type Heterojunction Technology**  
**695 W ~ 730 W**  
**LT7-66HB-695-730**

-  Module power up to 730 W  
Module efficiency up to 23.5 %
-  Up to 90% Power Bifaciality,  
more power from the back side
-  No B-O LID, excellent anti-LeTID & anti-PID  
performance. Low power degradation,  
high energy yield
-  Leading temperature coefficient (Pmax): -0.24%/°C,  
increases energy yield in hot climate
-  Better shading tolerance

**MORE RELIABLE**

-  Tested up to ice ball of 35 mm diameter  
according to IEC 61215 standard
-  Minimizes micro-crack impacts
-  Heavy snow load up to 5400 Pa,  
enhanced wind load up to 2400 Pa\*

 **15 Years** Industry Leading Product Warranty on  
Materials and Workmanship\*

 **30 Years** Linear Power Performance Warranty\*

**1<sup>st</sup> year power degradation no more than 1%**  
**Subsequent annual power degradation no more than 0.35%**

\*According to the applicable Lingtech Solar Limited Warranty Statement.

**MANAGEMENT SYSTEM CERTIFICATES\***

ISO 9001: 2015 / Quality management system  
 ISO 14001: 2015 / Standards for environmental management system  
 ISO 45001: 2018 / International standards for occupational health & safety  
 IEC 62941: 2019 / Photovoltaic module manufacturing quality system

**PRODUCT CERTIFICATES\***

IEC 61215 / IEC 61730 / CGC  
 IEC 61701 / IEC 62716  
 UNI 9177 Reaction to Fire: Class 1 / Take-e-way

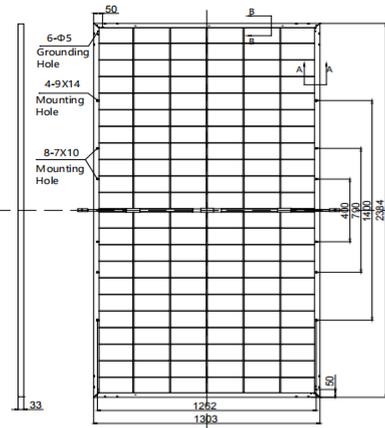


Lingtech is committed to providing high quality solar photovoltaic modules, solar energy and battery storage solutions to customers. The company was recognized as the top module supplier for quality and performance/price ratio in the IHS Module Customer Insight Survey. Over the past 16 years it has successfully delivered over 13.5 GW of premium-quality solar modules across the world

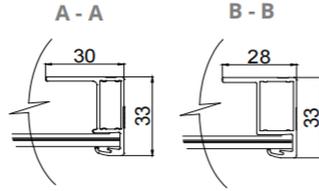
\* For detailed information, please refer to the Lingtech Installation Manual. [www.lingtechsolar.com](http://www.lingtechsolar.com)

**ENGINEERING DRAWING (mm)**

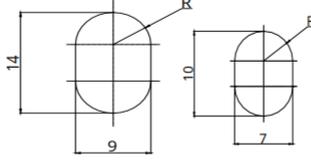
**Rear View**



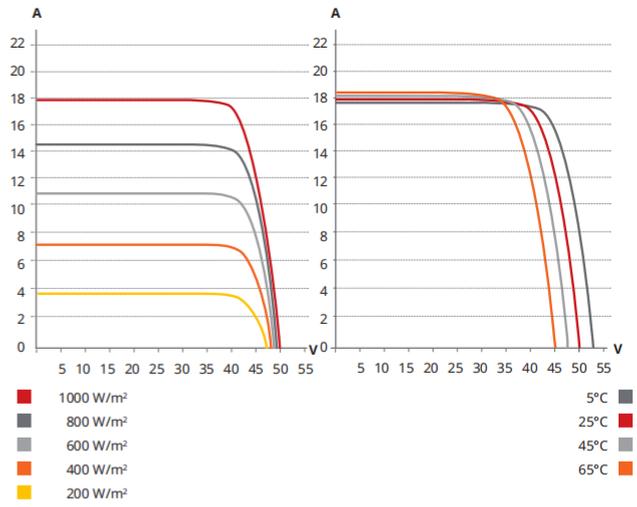
**Frame Cross Section**



**Mounting Hole**



**LT7-66HB-710 / I-V CURVES**



**ELECTRICAL DATA | STC\***

	Nominal Max. Power (Pmax)	Opt. Operating Voltage (Vmp)	Opt. Operating Current (Imp)	Open Circuit Voltage (Voc)	Short Circuit Current (Isc)	Module Efficiency
<b>LT7-66HB-695</b>	695 W	42.0 V	16.55 A	49.7 V	17.70 A	22.4%
<b>Bifacial Gain**</b>	5% 730 W	42.0 V	17.38 A	49.7 V	18.59 A	23.5%
	10% 765 W	42.0 V	18.21 A	49.7 V	19.47 A	24.6%
	20% 834 W	42.0 V	19.86 A	49.7 V	21.24 A	26.8%
<b>LT7-66HB-700</b>	700 W	42.1 V	16.64 A	49.8 V	17.77 A	22.5%
<b>Bifacial Gain**</b>	5% 735 W	42.1 V	17.47 A	49.8 V	18.66 A	23.7%
	10% 770 W	42.1 V	18.30 A	49.8 V	19.55 A	24.8%
	20% 840 W	42.1 V	19.97 A	49.8 V	21.32 A	27.0%
<b>LT7-66HB-705</b>	705 W	42.2 V	16.71 A	49.9 V	17.85 A	22.7%
<b>Bifacial Gain**</b>	5% 740 W	42.2 V	17.55 A	49.9 V	18.74 A	23.8%
	10% 776 W	42.2 V	18.39 A	49.9 V	19.64 A	25.0%
	20% 846 W	42.2 V	20.06 A	49.9 V	21.42 A	27.2%
<b>LT7-66HB-710</b>	710 W	42.3 V	16.79 A	50.0 V	17.94 A	22.9%
<b>Bifacial Gain**</b>	5% 746 W	42.3 V	17.63 A	50.0 V	18.84 A	24.0%
	10% 781 W	42.3 V	18.47 A	50.0 V	19.73 A	25.1%
	20% 852 W	42.3 V	20.15 A	50.0 V	21.53 A	27.4%
<b>LT7-66HB-715</b>	715 W	42.4 V	16.87 A	50.1 V	18.04 A	23.0%
<b>Bifacial Gain**</b>	5% 751 W	42.4 V	17.72 A	50.1 V	18.94 A	24.2%
	10% 787 W	42.4 V	18.56 A	50.1 V	19.84 A	25.3%
	20% 858 W	42.4 V	20.25 A	50.1 V	21.65 A	27.6%
<b>LT7-66HB-720</b>	720 W	42.4 V	16.99 A	50.1 V	18.17 A	23.2%
<b>Bifacial Gain**</b>	5% 756 W	42.4 V	17.84 A	50.1 V	19.08 A	24.3%
	10% 792 W	42.4 V	18.69 A	50.1 V	19.99 A	25.5%
	20% 864 W	42.4 V	20.39 A	50.1 V	21.80 A	27.8%
<b>LT7-66HB-725</b>	725 W	42.4 V	17.11 A	50.1 V	18.31 A	23.3%
<b>Bifacial Gain**</b>	5% 761 W	42.4 V	17.97 A	50.1 V	19.23 A	24.5%
	10% 798 W	42.4 V	18.82 A	50.1 V	20.14 A	25.7%
	20% 870 W	42.4 V	20.53 A	50.1 V	21.97 A	28.0%
<b>LT7-66HB-730</b>	730 W	42.5 V	17.19 A	50.2 V	18.39 A	23.5%
<b>Bifacial Gain**</b>	5% 767 W	42.5 V	18.05 A	50.2 V	19.31 A	24.7%
	10% 803 W	42.5 V	18.91 A	50.2 V	20.23 A	25.9%
	20% 876 W	42.5 V	20.63 A	50.2 V	22.07 A	28.2%

\* Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.

\*\* Bifacial Gain: The additional gain from the back side compared to the power of the front side at the standard test condition. It depends on mounting (structure, height, tilt angle etc.) and albedo of the ground.

**ELECTRICAL DATA**

Operating Temperature	-40°C ~ +85°C
Max. System Voltage	1500 V (IEC/UL)
Module Fire Performance	TYPE 29 (UL 61730) or CLASS C (IEC61730)
Max. Series Fuse Rating	35 A
Protection Class	Class II
Power Tolerance	0 ~ + 10 W
Power Bifaciality*	85 %

\* Power Bifaciality =  $P_{max_{rear}} / P_{max_{front}}$ , both  $P_{max_{rear}}$  and  $P_{max_{front}}$  are tested under STC, Bifaciality Tolerance: ± 5 %

\* The specifications and key features contained in this datasheet may deviate slightly from our actual products due to the on-going innovation and product enhancement. Lingtech Group reserves the right to make necessary adjustment to the information described herein at any time without further notice. Please be kindly advised that PV modules should be handled and installed by qualified people who have professional skills and please carefully read the safety and installation instructions before using our PV modules.

**ELECTRICAL DATA | NMOT\***

	Nominal Max. Power (Pmax)	Opt. Operating Voltage (Vmp)	Opt. Operating Current (Imp)	Open Circuit Voltage (Voc)	Short Circuit Current (Isc)
<b>LT7-66HB-695</b>	530 W	40.0 V	13.24 A	47.2 V	14.27 A
<b>LT7-66HB-700</b>	534 W	40.1 V	13.30 A	47.3 V	14.33 A
<b>LT7-66HB-705</b>	538 W	40.2 V	13.37 A	47.4 V	14.39 A
<b>LT7-66HB-715</b>	542 W	40.3 V	13.43 A	47.5 V	14.47 A
<b>LT7-66HB-720</b>	545 W	40.4 V	13.49 A	47.6 V	14.55 A
<b>LT7-66HB-710</b>	549 W	40.4 V	13.59 A	47.6 V	14.65 A
<b>LT7-66HB-725</b>	553 W	40.4 V	13.68 A	47.6 V	14.76 A
<b>LT7-66HB-730</b>	557 W	40.5 V	13.74 A	47.7 V	14.83 A

\* Under Nominal Module Operating Temperature (NMOT), irradiance of 800 W/m² spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s.

**MECHANICAL DATA**

Specification	Data
Cell Type	HJT cells
Cell Arrangement	132 [2 x (11 x 6)]
Dimensions	2384 x 1303 x 33 mm (93.9 x 51.3 x 1.30 in)
Weight	37.8 kg (83.3 lbs)
Front Glass	2.0 mm heat strengthened glass with anti-reflective coating
Back Glass	2.0 mm heat strengthened glass
Frame	Anodized aluminium alloy
J-Box	IP68, 3 bypass diodes
Cable	4.0 mm² (IEC), 12 AWG (UL)
Cable Length (Including Connector)	360 mm (14.2 in) (+) / 200 mm (7.9 in) (-) or customized length*
Connector	T6 or MC4-EVO2 or MC4-EVO2A
Per Pallet	33 pieces
Per Container (40' HQ)	594 pieces or 495 pieces (only for US & Canada)

\* For detailed information, please contact your local Lingtech sales and technical representatives.

**TEMPERATURE CHARACTERISTICS**

Specification	Data
Temperature Coefficient (Pmax)	-0.24 % / °C
Temperature Coefficient (Voc)	-0.23 % / °C
Temperature Coefficient (Isc)	0.05 % / °C
Nominal Module Operating Temperature	41 ± 3°C

**PARTNER SECTION**

