

LGETSL-550W(144)

540-555Watt

Mono-facial Module

Positive power tolerance of 0~+3%

IEC61215(2016), IEC61730(2016)

ISO9001:2015: Quality Management System

ISO14001:2015: Environment Management System

ISO45001:2018
Occupational Health and Safety Management Systems



Key Features



MBB Technology

Better light trapping and current collection to improve module power output and reliability.



Hot 2.0 Technology

The P-type module with Hot 2.0 technology has better reliability and lower LID/LETID.



PID Resistance

Excellent Anti-PID performance guarantee via optimized mass-production process and materials control.



Enhanced Mechanical Load

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).

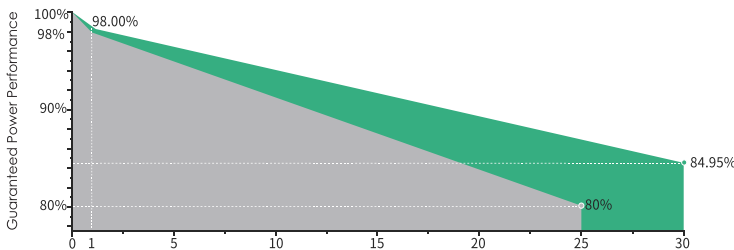


Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.



LINEAR PERFORMANCE WARRANTY



12 Year Product Warranty

30 Year Linear Power Warranty

0.45% Annual Degradation Over 30 years

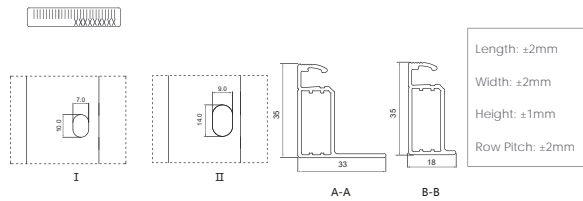
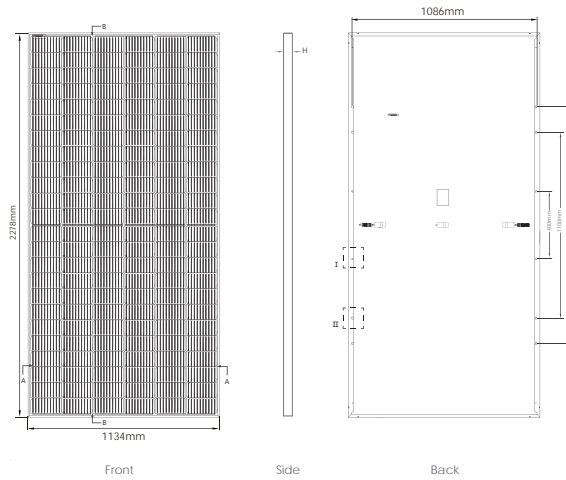
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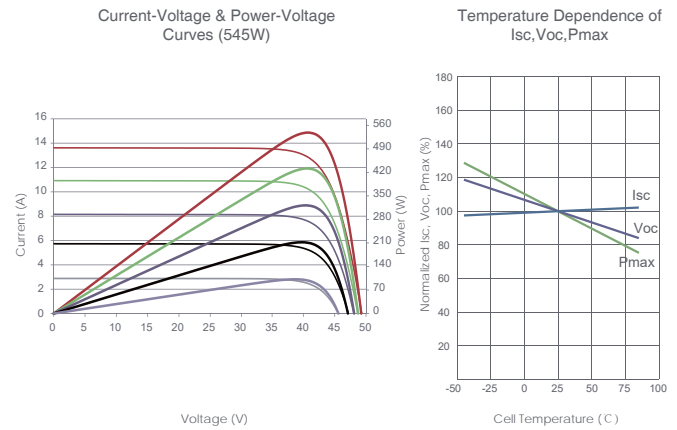
Engineering Drawings



Packaging Configuration

31 pcs/pallets, 62 pcs/stack, 620 pcs/ 40'HQ Container

Electrical Performance & Temperature Dependence



Mechanical Characteristics

| | |
|---------------|---|
| Cell Type | type Mono-crystalline |
| No. of cells | 144 (6×24) |
| Dimensions | 2278×1134×35mm (89.69×44.65×1.38 inch) |
| Weight | 28 kg (61.73 lbs) |
| Front Glass | 3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass |
| Frame | Anodized Aluminium Alloy |
| Junction Box | IP68 Rated |
| Output Cables | TUV 1×4.0mm ² (+): 300mm, (-): 300mm or Customized Length |

SPECIFICATIONS

| Module Type | LGETSL-540W(144) | | LGETSL-545W(144) | | LGETSL-550W(144) | | LGETSL-555W(144) | |
|---|--------------------|--------|------------------|--------|------------------|--------|------------------|--------|
| | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Maximum Power (Pmax) | 540Wp | 402Wp | 545Wp | 405Wp | 550Wp | 409Wp | 555Wp | 413Wp |
| Maximum Power Voltage (Vmp) | 40.70V | 38.08V | 40.80V | 38.25V | 40.90V | 38.42V | 40.99V | 38.59V |
| Maximum Power Current (Imp) | 13.27A | 10.55A | 13.36A | 10.60A | 13.45A | 10.65A | 13.54A | 10.70A |
| Open-circuit Voltage (Voc) | 49.42V | 46.65V | 49.52V | 46.74V | 49.62V | 46.84V | 49.72V | 46.93V |
| Short-circuit Current (Isc) | 13.85A | 11.19A | 13.94A | 11.26A | 14.03A | 11.33A | 14.12A | 11.40A |
| Module Efficiency STC (%) | 20.90% | | 21.10% | | 21.29% | | 21.48% | |
| Operating Temperature(°C) | -40°C~+85°C | | | | | | | |
| Maximum system voltage | 1000/1500VDC (IEC) | | | | | | | |
| Maximum series fuse rating | 25A | | | | | | | |
| Power tolerance | 0~+3% | | | | | | | |
| Temperature coefficients of Pmax | -0.35%/°C | | | | | | | |
| Temperature coefficients of Voc | -0.28%/°C | | | | | | | |
| Temperature coefficients of Isc | 0.048%/°C | | | | | | | |
| Nominal operating cell temperature (NOCT) | 45±2°C | | | | | | | |

*STC: Irradiance 1000W/m² Cell Temperature 25°C AM=1.5
 NOCT: Irradiance 800W/m² Ambient Temperature 20°C AM=1.5 Wind Speed 1m/s

Note: Due to continuous technical innovation and R&D, the above mentioned technical parameters may subject to modification accordingly. The company reserves the right to make such modification at any time without further notice.