

LUXEN

# LUXHYPER<sup>®</sup>

## MONO

### 395-415w

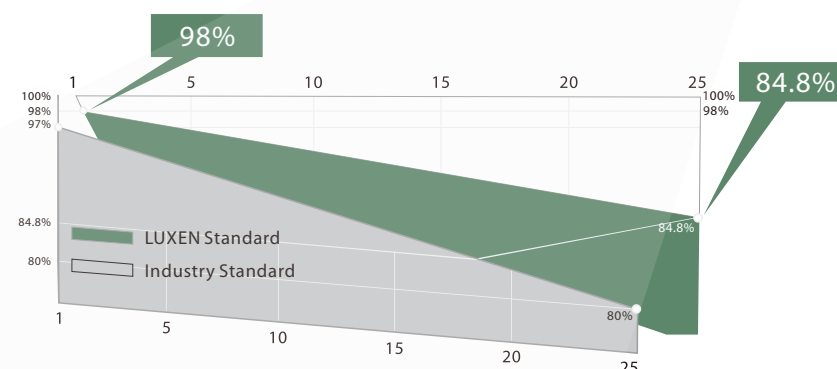
LUXHYPER<sup>®</sup> series (Super-efficiency half-cell Modules) Assembled with the advanced half-cell technology offer the advantages of higher power output, reduced series resistance loss, and lower risk of hot spot. In order to meet the Clients' requirements of best quality and efficiency.

144 cells  
Half-Cell Modules



## LINEAR PERFORMANCE WARRANTY

25-year power warranty · 12-year product warranty



9BB

9BB cell design  
Smaller electric current, less CTM loss  
Lower risk of hot spot



ISO9001:2015 QMS  
ISO14001:2015 EMS  
ISO45001:2018 OHSMS

IEC

IEC61215&IEC61730  
standard quality



Wind load up to 3800Pa  
Snow load up to 5400Pa

+5W

0-5W positive power sorting



Stable performance under  
weak light conditions



Tier 1 Solar Module  
Manufacturer by BNEF



MONO 395-415w 144 cells 9BB

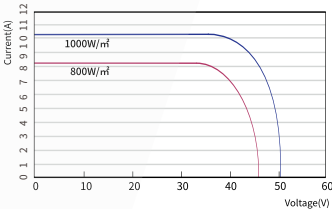


ELECTRICAL  
PARAMETERS

|                                 | LNSU-395M |        | LNSU-400M |        | LNSU-405M |        | LNSU-410M |        | LNSU-415M |        |
|---------------------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
|                                 | STC       | NMOT   | STC       | NMOT   | STC       | NMOT   | STC       | NMOT   | STC       | NMOT   |
| Maximum Power (Pmax)            | 395W      | 293W   | 400W      | 297W   | 405W      | 301W   | 410W      | 305W   | 415W      | 309W   |
| Open Circuit Voltage (Voc)      | 49.47V    | 45.99V | 49.85V    | 46.26V | 50.34V    | 46.53V | 50.77V    | 46.79V | 51.25V    | 47.05V |
| Short Circuit Current (Isc)     | 10.29A    | 8.23A  | 10.33A    | 8.29A  | 10.35A    | 8.35A  | 10.38A    | 8.41A  | 10.40A    | 8.47A  |
| Voltage at Maximum Power (Vmpp) | 40.93V    | 37.71V | 41.24V    | 37.93V | 41.54V    | 38.15V | 41.84V    | 38.36V | 42.13V    | 38.58V |
| Current at Maximum Power (Impp) | 9.65A     | 7.77A  | 9.70A     | 7.83A  | 9.75A     | 7.89A  | 9.80A     | 7.95A  | 9.85A     | 8.01A  |
| Module Efficiency(%)            | 19.63%    |        | 19.88%    |        | 20.13%    |        | 20.38%    |        | 20.63%    |        |

STC: Irradiance 1000W/m², cell temperature 25°C, AM 1.5G  
NMOT: Irradiance 800W/m², ambient temperature 20°C,  
wind speed 1m/s, AM 1.5G

LNSU-405M/I-V



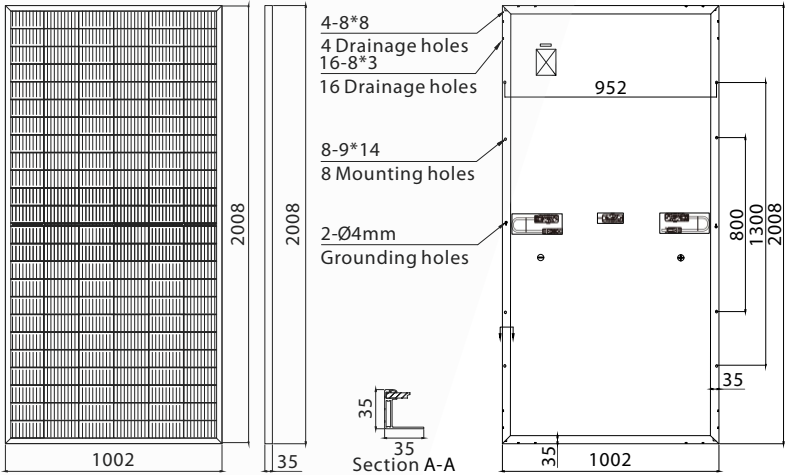
|                                          |                |
|------------------------------------------|----------------|
| Operating Module Temperature             | -40°C to +85°C |
| Maximun System Voltage                   | 1500V DC(IEC)  |
| Maximun Series Fuse Rating               | 20A            |
| Power Tolerance                          | 0/+5W          |
| Temperature Charateristics               |                |
| Nominal Operating Cell Temperature(NMOT) | 45±2°C         |
| Temperature Coefficient of Pmax          | -0.36%/°C      |
| Temperature Coefficient of Voc           | -0.28%/°C      |
| Temperature Coefficient of Isc           | +0.05%/°C      |

Packing Configuration

|                       |       |       |
|-----------------------|-------|-------|
| Container             | 20'GP | 40'HQ |
| Pieces per pallet     | 31    | 31    |
| Pallets per container | 10    | 22    |
| Pieces per container  | 310   | 682   |

Mechanical Characteristics

|                      |                              |
|----------------------|------------------------------|
| Solar Cell           | MONO158.75x79.375mm          |
| No.of Cell           | 144(6x24)                    |
| Dimensions           | 2008x1002x35mm               |
| Weight               | 21.5kgs                      |
| Front                | 3.2mm coated tempered glass  |
| Frame                | Anodized aluminium alloy     |
| Junction Box         | Ip68 rated(3 by pass diodes) |
| Output Cables        | 4.0mm²                       |
|                      | 300mm(+)/300mm(-)            |
|                      | Length can be customized     |
| Connectors           | MC4 compatible               |
| Mechanical load test | 5400Pa                       |



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Note: Due to continuous technical innovation, R&D and improvement, technical data above mentioned may be of modification accordingly. LUXEN SOLAR have the sole right to make such modification at anytime without further notice.