

# SunPower Origin

## Commercial solar panel

Product: SPR-BE66-GD

**595–615 W** | Up to **24.8%** efficiency



Ideal for commercial applications



Bifacial energy production



Unique back-contact shingled cell technology



Certified to withstand harshest real-life conditions

### The Original

#### Leading back contact technology

Built on 40+ years of back-contact patented innovation

Backed by extensive certifications and 1,600+ patents

Meets the highest quality and ESG standards

### The Safest

#### Engineered for stable, long-term performance

Market's lowest degradation rate

High resistance to micro-crack, soiling, heat, wind and hail



### The Strongest

#### Accelerates ROI across commercial solar systems

Maximized energy output and ROI per square meter

Strong performance in partial shade and high temperatures

Reduces LCOE and accelerates system payback

Manufactured by TCL, a bankable global leader in PV and electronics

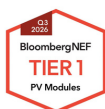


### Backed by best-in-class 40-year warranty

Product, power, service coverage<sup>1</sup>  
Year 1 minimum warranted output  
Maximum annual degradation

40 Years  
99.0 %  
0.25 %

SUNPOWER



Learn more about SunPower panels  
[www.sunpowerglobal.com](http://www.sunpowerglobal.com)



SunPower Origin commercial solar panel | SPR-BE66-GD | Power: 495–615 W | Efficiency: up to 24.8%

| Electrical Data, Front STC Characteristics <sup>2</sup> |                |                |                |                |                |
|---------------------------------------------------------|----------------|----------------|----------------|----------------|----------------|
|                                                         | SPR-BE66-GD595 | SPR-BE66-GD600 | SPR-BE66-GD605 | SPR-BE66-GD610 | SPR-BE66-GD615 |
| Nominal Power (Pmax) <sup>3</sup>                       | 595 W          | 600 W          | 605 W          | 610 W          | 615 W          |
| Power Binning                                           | +3/0 %         | +3/0 %         | +3/0 %         | +3/0 %         | +3/0 %         |
| Panel Efficiency                                        | 24.0 %         | 24.2 %         | 24.4 %         | 24.6 %         | 24.8 %         |
| Rated Voltage (Vmpp)                                    | 41.21 V        | 41.33 V        | 41.45 V        | 41.56 V        | 41.68 V        |
| Rated Current (Impp)                                    | 14.44 A        | 14.52 A        | 14.60 A        | 14.68 A        | 14.76 A        |
| Open-Circuit Voltage (Voc) <sup>3</sup>                 | 49.47 V        | 49.59 V        | 49.71 V        | 49.83 V        | 49.95 V        |
| Short-Circuit Current (Isc) <sup>3</sup>                | 15.22 A        | 15.30 A        | 15.38 A        | 15.46 A        | 15.54 A        |

| BNPI Data <sup>3</sup>                   |         |         |         |         |         |
|------------------------------------------|---------|---------|---------|---------|---------|
| Nominal Power (Pmax) <sup>3</sup>        | 651 W   | 657 W   | 662 W   | 668 W   | 673 W   |
| Open-Circuit Voltage (Voc) <sup>3</sup>  | 49.47 V | 49.59 V | 49.71 V | 49.83 V | 49.95 V |
| Short-Circuit Current (Isc) <sup>3</sup> | 16.66 A | 16.75 A | 16.83 A | 16.92 A | 17.01 A |

| Bifacial Gain <sup>4</sup>  |         |         |         |         |         |
|-----------------------------|---------|---------|---------|---------|---------|
| Pmax with 5% Bifacial Gain  | 625 W   | 630 W   | 662 W   | 668 W   | 673 W   |
| Isc with 5% Bifacial Gain   | 15.98 A | 16.07 A | 49.71 V | 49.83 V | 49.95 V |
| Pmax with 10% Bifacial Gain | 655 W   | 660 W   | 666 W   | 671 W   | 677 W   |
| Isc with 10% Bifacial Gain  | 16.74 A | 16.83 A | 16.92 A | 17.01 A | 17.09 A |

| Electrical Data                |                                 |
|--------------------------------|---------------------------------|
| Maximum System Voltage         | 1500 V IEC                      |
| Nominal Module Operating Temp. | 42 °C ±2 °C                     |
| Operation Temperature          | −40 °C to +70 °C (IEC TS 63126) |
| Maximum Series Fuse            | 30 A                            |
| Power Temp. Coefficient        | −0.26 %/°C                      |
| Voltage Temp. Coefficient      | −0.22 %/°C                      |
| Current Temp. Coefficient      | +0.05 %/°C                      |

| Packaging Configuration                 |     |
|-----------------------------------------|-----|
| Number of modules per pallet            | 36  |
| Number of pallets per 40ft HQ container | 20  |
| Number of modules per container         | 720 |

| Tests and Certifications |                                                  |
|--------------------------|--------------------------------------------------|
| Standard Tests           | IEC 61215, IEC 61730                             |
| Fire Rating              | Class C (IEC 61730-2 / UL 790)                   |
| Protection Class         | Class II (IEC 61140)                             |
| Quality Certs            | ISO 9001:2015, ISO 14001:2015                    |
| EHS Compliance           | ISO 45001:2018, ISO 50001:2018, Recycling Scheme |
| Ammonia Test             | IEC 62716                                        |
| Dust and Sand            | IEC 60068-2-68                                   |
| Salt Mist                | IEC 61701 (TM 6)                                 |

| Mechanical Data                        |                                                                         |
|----------------------------------------|-------------------------------------------------------------------------|
| Solar Cells                            | N-Type Back Contact                                                     |
| Glass                                  | 2+2 mm semi tempered Glass<br>Anti Reflective coating on front glass    |
| Junction Box                           | IP-68, 3 bypass diodes                                                  |
| Cables                                 | 1500 mm +/-15 mm                                                        |
| Connector                              | Stäubli MC4-EVO2A                                                       |
| Weight                                 | 30.1 kg                                                                 |
| Max. Load <sup>4</sup><br>Front & Back | Wind: 2400 Pa, 245 kg/m² Front & Back<br>Snow: 5400 Pa, 550 kg/m² Front |
| Impact Resistance                      | 25 mm diameter hail at 21.8 m/s                                         |
| Frame                                  | Anodized aluminum alloy                                                 |

