

## Offgridtec OLP V2 Solarpanels Schindeltechnologie PERC

### Eigenschaften

- ❖ Einzigartiges Moduldesign mit überlappender Wafer-Anordnung (Overlapping-Design).
- ❖ Zellwirkungsgrad von 22,6 % durch optimale Flächenausnutzung und reduzierte Leistungsverluste
- ❖ Moderne, homogene Optik ohne sichtbare Leiterbahnen
- ❖ Innovative PERC-Technologie für verbesserte Absorption bei längeren Wellenlängen
- ❖ Weniger Verlust bei Teilverschattung



Spezifikationen	OLP V2 10W	OLP V2 30W	OLP V2 100W	OLP V2 150W	OLP V2 180W
Artikelnummer	3-01-018465	3-01-018470	3-01-018475	3-01-018480	3-01-018485
EAN	4262440561916	4262440561923	4262440561930	4262440561954	4262440561961
Nennleistung* (WP)	10 W	30 W	100 W	150 W	180 W
Modulspannung (V)	18,2 V	23,9 V	19,4 V	19,4 V	23,4 V
Modulstrom (A)	0,55 A	1,26 A	5,16 A	7,74 A	7,70 A
Leerlaufspannung (Voc)	21,48 V	28,20 V	22,90 V	22,90 V	27,61 V
Kurzschlussstrom (Isc)	0,58 A	1,33 A	5,46 A	8,20 A	8,16 A
Max. Systemspannung	600 V DC	600 V DC	1000 V DC	1000 V DC	1000 V DC

\*Measured under Standard Test Conditions STC (1000 W/m<sup>2</sup>; spectrum AM 1.5; Cell temperature 25 °C)

Abmessungen	OLP V2 10W	OLP V2 30W	OLP V2 100W	OLP V2 150W	OLP V2 180W
Zellen pro Modul	4×8	3×14	2×34	3×34	3×41
Größe der Zellen (mm)	52.5×33.7	105×33.7	210×33.7	210×33.7	210×33.7
Modulgröße (mm)	250×310×25	350×515×25	450×1195×35	670×1195×35	670×1435×35
Gewicht (kg)	0.98	1.96	6.28	9.8	10.42

### Thermische Eigenschaften

NOCT	45 +/-2 °C
Spannungstemp.-koeffizient	-0.36 %/°C
Strom-Temperaturkoeffizient	+0.07 %/°C
Leistungstemp.-koeffizient	-0.38 %/°C

### Zusätzliche Daten

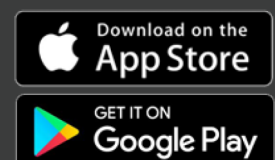
Leistungstoleranz	+/-3 %
Zellwirkungsgrad	22,68 %
Betriebsbereich	-40 bis +85 °C

**Garantie:** Wir garantieren, dass die Leistungsabgabe nach zehn Jahren mindestens 90 % und nach fünfundzwanzig Jahren mehr als 80 % beträgt. Wir gewährleisten, dass die Lebensdauer unserer Paneele 25 Jahre oder mehr beträgt, und unsere Verarbeitungsgarantie beträgt 10 Jahre.



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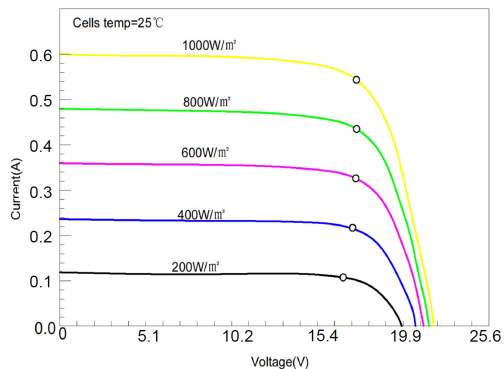
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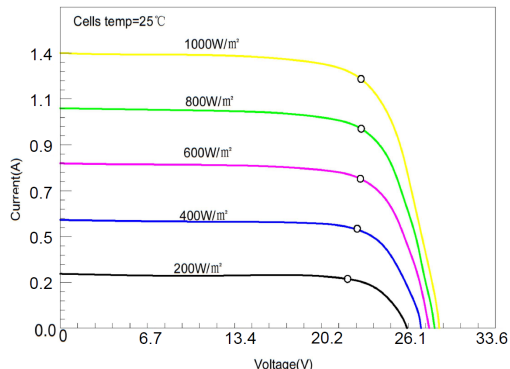
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### U-I-Diagramm

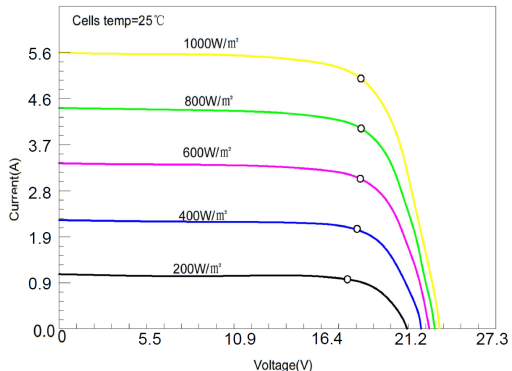
**OLP V2 10W – 3-01-018465**



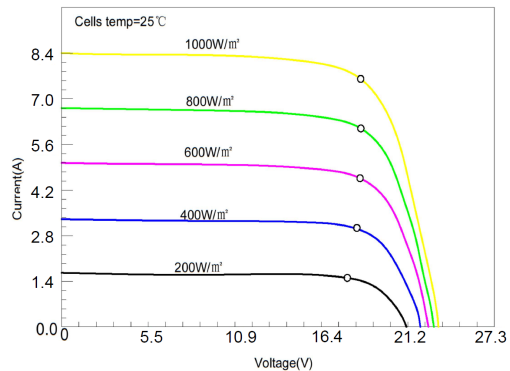
**OLP V2 30W – 3-01-018470**



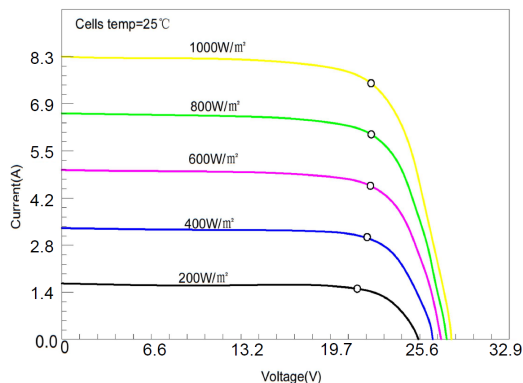
**OLP V2 100W – 3-01-018475**



**OLP V2 150W – 3-01-018480**



**OLP V2 180W – 3-01-018485**



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## Offgridtec OLP V2 solar module shingle technology PERC

### Characteristics

- ❖ Unique module design (overlapping wafer design).
- ❖ Cell efficiency over 22,6 % through optimal area utilization and reduced power losses.
- ❖ Modern, homogeneous optics without visible conductor tracks.
- ❖ Innovative PERC technology for improved absorption at longer wavelengths.
- ❖ Reduced loss with partial shading.



Specification	OLP V2 10W	OLP V2 30W	OLP V2 100W	OLP V2 150W	OLP V2 180W
Article number	3-01-018465	3-01-018470	3-01-018475	3-01-018480	3-01-018485
EAN	4262440561916	4262440561923	4262440561930	4262440561954	4262440561961
Nominal peak power* (WP)	10 W	30 W	100 W	150 W	180 W
Nominal voltage (V)	18,2 V	23,9 V	19,4 V	19,4 V	23,4 V
Nominal current (A)	0,55 A	1,26 A	5,16 A	7,74 A	7,70 A
Open circuit voltage (Voc)	21,48 V	28,20 V	22,90 V	22,90 V	27,61 V
Short circuit current (Isc)	0,58 A	1,33 A	5,46 A	8,20 A	8,16 A
Max system voltage	600 V DC	600 V DC	1000 V DC	1000 V DC	1000 V DC

\*Measured under Standard Test Conditions STC (1000 W/m<sup>2</sup>; spectrum AM 1.5; Cell temperature 25 °C)

Measurements	OLP V2 10W	OLP V2 30W	OLP V2 100W	OLP V2 150W	OLP V2 180W
Cells per module	4×8	3×14	2×34	3×34	3×41
Cells size (mm)	52.5×33.7	105×33.7	210×33.7	210×33.7	210×33.7
Module size (mm)	250×310×25	350×515×25	450×1195×35	670×1195×35	670×1435×35
Weight (kg)	0.98	1.96	6.28	9.8	10.42

### Thermal attributes

NOCT	45 +/-2 °C
Voltage temp. coefficient	-0.36 %/°C
Current temp. coefficient	+0.07 %/°C
Power temp. coefficient	-0.38 %/°C

### Additional specification

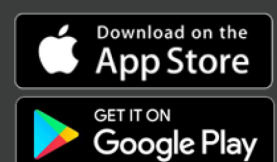
Power tolerance	+/-3 %
Cell Conversion efficiency	22,68 %
Operating temperature:	-40 to +85 °C

**Warranty:** We guarantee that power output will be at least 90% after ten years and more than 80% after twenty-five years. We ensure that our panels' life is 25 years or more, and our workmanship warranty is 10 years.



About us  
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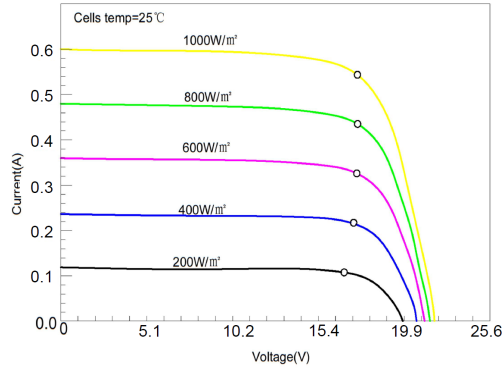
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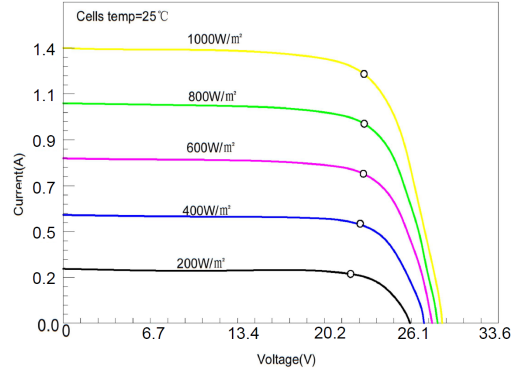
## Offgridtec OLP V2 solar module shingle technology PERC

### U-I-Diagram

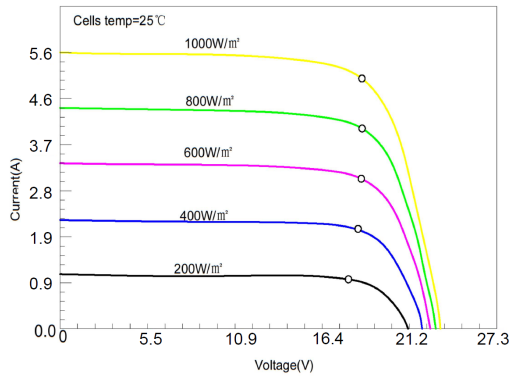
**OLP V2 10W – 3-01-018465**



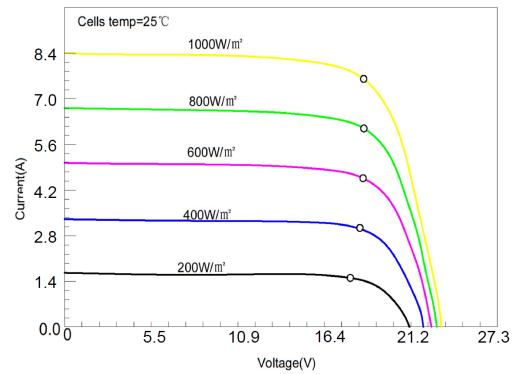
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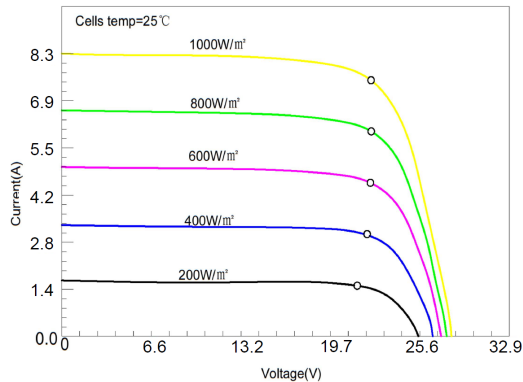
**OLP V2 100W – 3-01-018475**



**OLP V2 150W – 3-01-018480**



**OLP V2 180W – 3-01-018485**



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