Datasheet

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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.
- Integrated bypass-diodes

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	29,3 V	22,90 V	27,61 V
Short circuit current (Isc)	0,58 A	1,33 A	4,27 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^2; 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

CE

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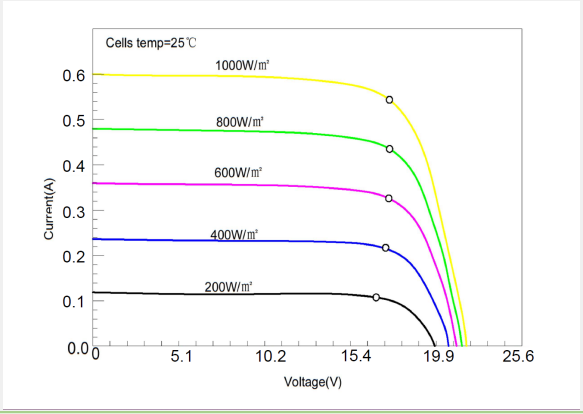
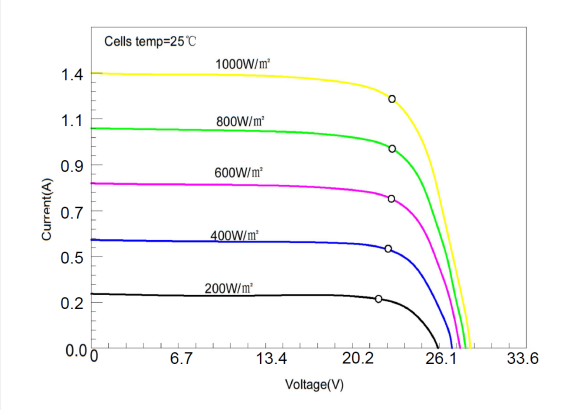
U-I-Diagram

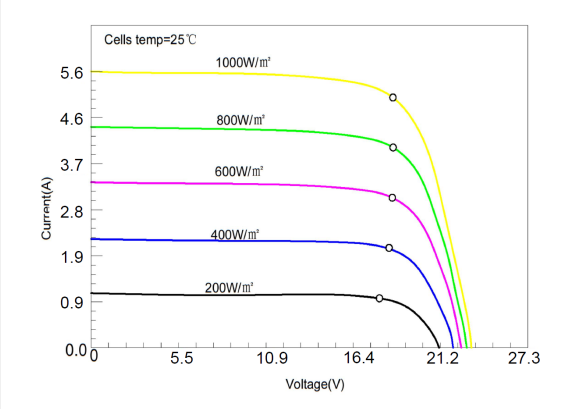
OLP V2 10W – 3-01-018465



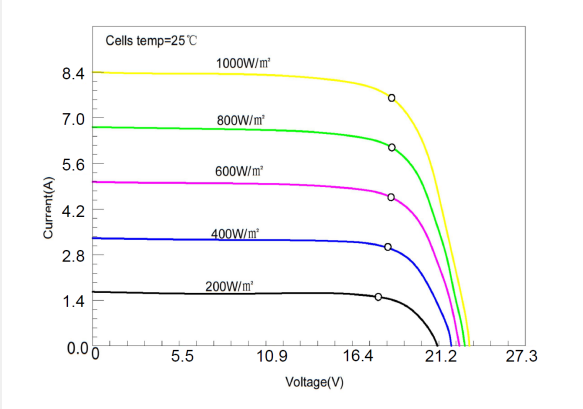
OLP V2 30W – 3-01-018470



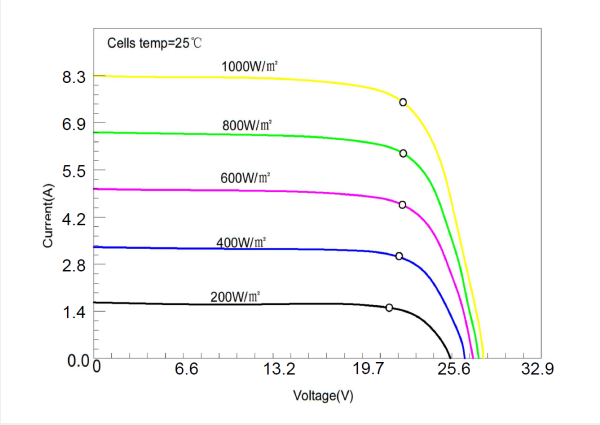
OLP V2 100W – 3-01-018475



OLP V2 150W – 3-01-018480



OLP V2 180W – 3-01-018485



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