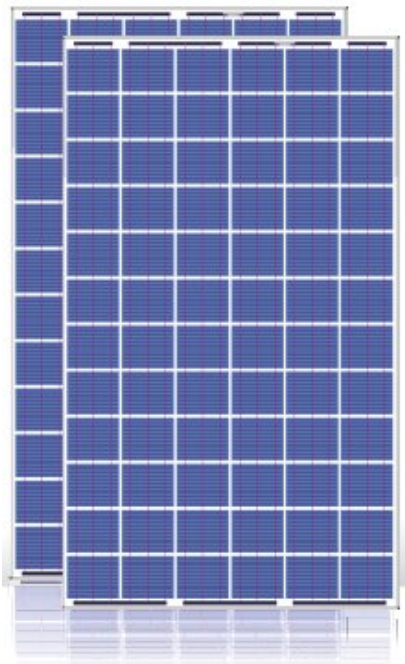


VIGESTSOLAR



POLYCRYSTALLINE MODULES VG – P 275-300 W

Tempered glass with high optical transmittance

High efficiency cells with anti-reflective layer

Quick connectors, double insulated flexible cable



ELECTRICAL CHARACTERISTICS

Maximum power (Pmpp)	Watts	275 W	280 W	285 W	290 W	295 W	300 W
Tolerance	%	0 ~ + 3					
Voltage at maximum power (Vmpp)	Volts	35.6	35.8	36.0	36.2	36.4	36.8
Current at maximum power (Impp)	Amperes	7.46	7.58	7.70	7.82	7.95	8.09
Open circuit voltage (Voc)	Volts	44.81	45.02	45.30	45.52	45.75	46.01
Short circuit current (Isc)	Amperes	7.95	8.06	8.21	8.34	8.46	8.61
Maximum system voltage (Vsyst)	Volts	600 (UL) 1000 (IEC)					
Diodes (By-pass)	Quantity	3 pcs or 6 pcs					
Efficiency (ηm)	%	14.3	14.5	14.7	14.9	15.2	15.5

MECHANICAL CHARACTERISTICS

Size	mm	1957x992x50
Weight	Net	28 kg
Frame	Material	Electrophoresis silvery white
Cells	Type	Polycrystalline
	Quantity	6 x 12 = 72
	Size	156 x 156 mm.
Encapsulation	Materials	High-strength 3,2mm low-iron tempered glass, anti-aging EVA and TPT composite membrane with excellent weatherability
Junction box	Type	PVRH0502B

CHECK FOR
AVAILABILITIES





TEMPERATURE COEFFICIENTS

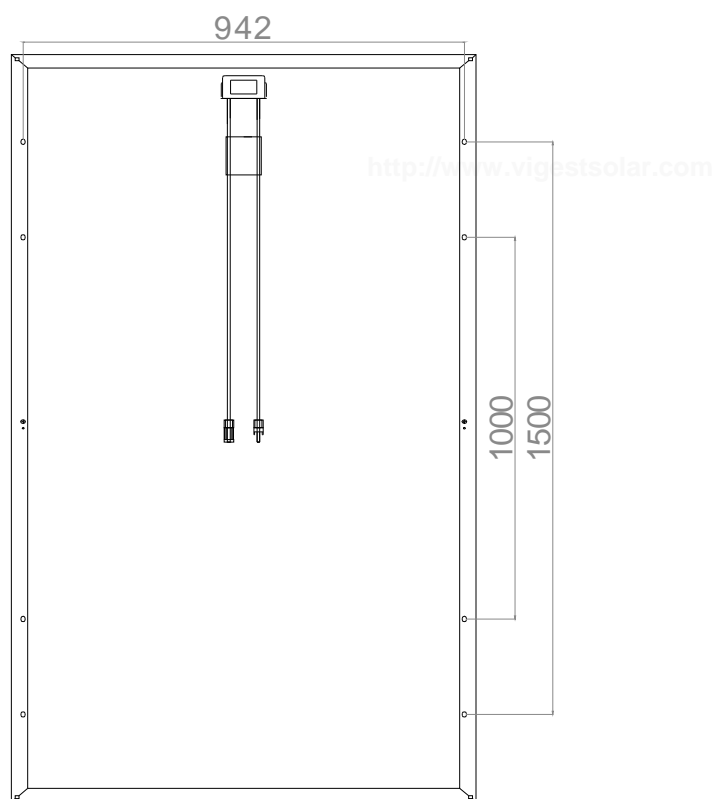
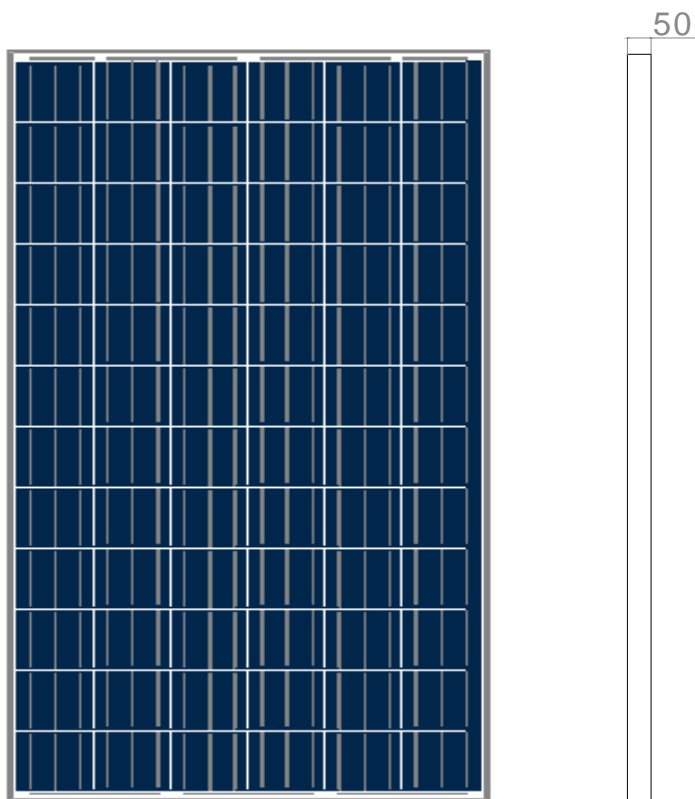
Power temperature coefficient	-0.43 %/°C
Current temperature coefficient	0.02 %/°C
Voltage temperature coefficient	-0.34 %/°C
NOCT (Nominal Operating Cell Temperature)	+ 47 ± 2 °C
Working temperature	- 40 ~ + 85 °C

WARRANTIES

10 years limited warranty on material and workmanship

90% performance assurance on 12 years

80% performance assurance on 25 years



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I-V CURVES

