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Solar Panel Guide Specification Data Sheet

Vidursolar, S.L.

VS36 C54 P202

VS36 C54 P202

Also available on the web at
EnergyPal.com/vidursolar-s-l-solar-panels/vs36-c54-p202

SOLAR

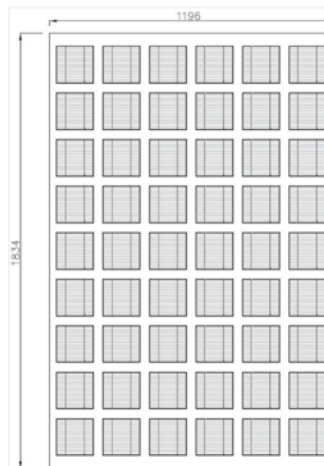
VIDUR
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VIDURSOLAR • Crystalline Model VS36 C54 P202

VIDURSOLAR BIPV modules are specially designed to satisfy the highest quality standards in construction. Our modules have successfully passed trials under standard EN 14449:2005 and can be called "Laminated Safety Glass".

The encapsulation material is PVB, the material traditionally used for laminated safety glass for construction because of its advantages of penetration and post-breakage resistance. Therefore, they are specially indicated for building integration.

PREDEFINED BIPV - MODULES



QUALITY AND SAFETY

- Production process controlled according to ISO 9001.
- VIDURSOLAR photovoltaic glasses are manufactured as a construction product under the CE mark denomination of "laminated safety glass".
- Maximum resistance against breakage and fall by the use of PVB (poly-vinyl-butyl) as encapsulation material, especially important in overhead glazing applications.
- Tested according to EN 14449, EN 12150, EN 12600, EN 12543, 1-6.
- Designed and produced according to EN 61215 and EN 61730. TÜV certificate for a product family.



- Qualified, IEC 61215
- Safety tested, IEC 61730
- Periodic Inspection

CONSTRUCTIVE AND ELECTRICAL DATA

VS36 C54 P202

Model	VS36 C54 P202	
Technology	Glass/glass laminate	
Front piece	Tempered extra-white glass, 5mm with polished edge	
Back piece	Tempered float glass, 5mm with polished edge	
Encapsulant	PVB, 2 x 0,76 mm	
Size (in mm)	1.834 x 1.196	
Total thickness	11,5 mm +/- 0,2 mm	
Weight approx.	60 kg	
Distance between PV cells	40 mm	
Transparency approx.	36%	
Solar factor (g-value) approx.	0,41	
Type of PV cells	Poly-crystalline, 156x156 mm	
Nº of PV cells	54	
Connection terminals	Junction box, TYCO, 2 x 1 m cable of 4mm ² with connectors (Option of edge terminal upon demand)	
Mounting	With adequate frames or façade systems as for standard structural glazing units, all sided mounting	
Nominal power P_{nom}^*	202 Wp	
MPP - Voltage V_{MPP}^*	27,8 V	
MPP - Current I_{MPP}^*	7,25 A	
Open circuit voltage V_{oc}^*	33,3 V	
Short circuit current I_{sc}^*	8,12 A	
Max. System voltage	1.000 V	
Tolerance of electrical data	+/- 5%	
Electrical protection class	Class II	

Temperature coefficients / cell: P_{nom} : - 0,42%/K V_{oc} : -0,36%/K I_{sc} : + 0,07%/K*

All electrical data refer to Standard Test Conditions (STC): radiation of 1000W/m² - temperature of 25°C - AM 1,5.

* Variations possible according to available cell type.

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