

INTEGRATION N Glass / Glass M 60 SOLRIF

MONOCRYSTALLINE 330 WP



**2 x 2 mm thick tempered
solar glass**



**In-roof solution, BIPV type
EN 50583, category A**



Snow load 5,400 Pa



Sophisticated design with in-roof solution

2 x 2 mm thick, tempered
and scratch-resistant solar glass

Performance-optimized Module design

PID-free monocrystalline
High-performance cells

Highest standards in production and quality assurance

Made according to
ISO 9001:2015
ISO 14001:2015
ISO 45001:2018
ISO 50001:2018

Industry-leading Guarantee¹

30-year linear
performance guarantee

Protection of cells from microcracks
by double-glazed unit

Anti-reflective coated solar glass

PV module type certification
according to IEC 61215:2021³

20-year product warranty

Easy to assemble,
safe in operation

Optimized for low light conditions

PV module safety certification
according to IEC 61730:2018³

Excellent mechanical load values,
compressive load up to 5,400 Pa²

positively classified -0/+4.99 Wp

Hard roofing, P-BWU03-I-16.3.237
Fire class: hard roofing (Euroclass
E)

Hail class HW 3

Industry-leading NMOT values

¹ For detailed information, please refer to the warranty conditions of CS Wismar GmbH.

² Detailed test loads can be found on the reverse side.

³ Re-certification is reserved.

Performance STC

Under Standard Test Conditions (STC):

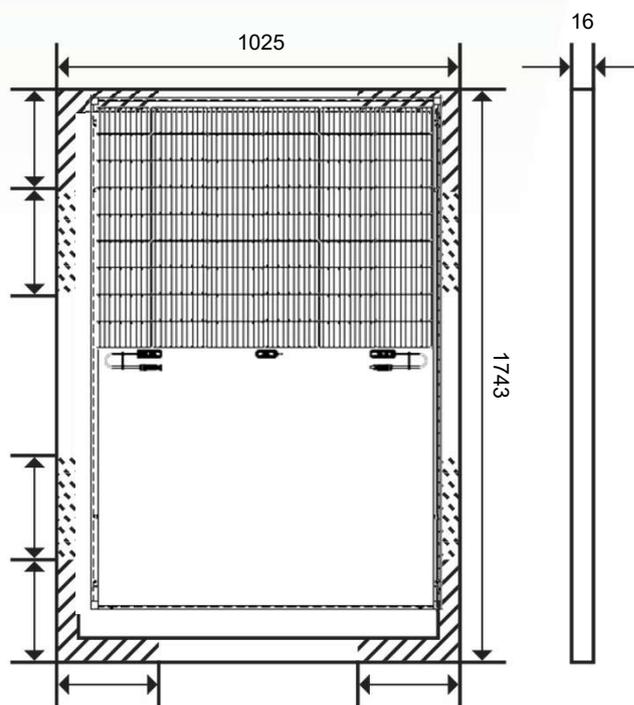
1000 W/m²; Spectrum AM 1.5;
Cell temperature 25°C

Measurement tolerances STC: P_{mp} ±3%;
I_{sc} ±10%; U_{oc} ±10%

Rated power PMPP(Wp)	330
Open circuit voltage U _{oc} (V)	40,60
Voltage U _{mp} (V)	34,09
Short-circuit current I _{sc} (A)	10,42
Current I _{mp} (A)	9,68
Efficiency η _l	18,5
Reduction in module efficiency when decreasing from 1000 W/m ² to 800 W/m ² : 3% ±0.5% (relative)	

Other technical specifications

Max. system voltage	1000 V
Weight	19.0 ±0.5 kg
Reverse current resistance I _R	25 A
Junction box	IP65/ IP68
Connectors	IP65 / IP68, MC4
Fire protection class	Class C
Cable length	2 x 1,00 m
Design load: Snow	5.400 Pa *
Maximum test load	8.100 Pa
Design load: Wind	1.600 Pa *
Maximum test load	2.400 Pa
External dimensions	1743 x 1025 mm


Thermal properties

TC P _{mp}	-0.39 %/K
TC U _{oc}	-0.28 %/K
TC I _{sc}	0.040 %/K
NMOT	45 +/- 2 °C

Materials used

Number of cells	60 half-cut Zellen
Cell type	Monocrystalline
Glass	tempered solar glass Solarglas
Solrif frame	16 mm anodized aluminum



Management System
ISO 9001:2015
ISO 14001:2015
ISO 45001:2018
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