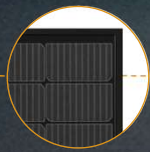




Balance



Full Black



Optional: Junction box  
1500 Volt



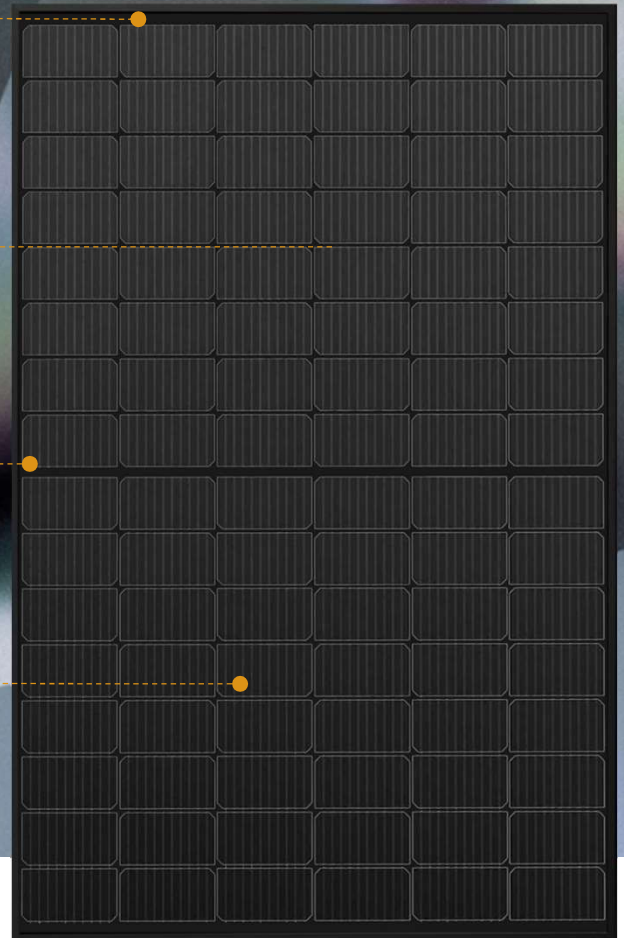
Optional: Heavy snow  
load frame



Optional: 30 yrs  
guarantee



Optional: Total-  
Care Insurance



## DIAMOND M96

350 - 360 WP

MONOCRYSTALLINE



### Long lifetime even under extreme conditions

2 x 2 mm strong, hardened and scratch resistant solar glass

Protection of cells against microcracks through double glass composite

Maximum test load 8.100 Pa. <sup>2</sup>

Original MC4 plugs and fire resistant cables

Stability optimized for increased requirements due to slipping snow loads (optional)

Extended hail impact tests to 30 mm <sup>3</sup>

### Optimized for performance

PID-free monocrystalline high performance solar cells

Antireflective coated solar glass

Low-light optimized

Positively classified -0/+4.99 Wp

Industry-leading NMOT values

### Highest quality standards

Manufactured according to  
DIN EN ISO 9001:2015  
DIN EN ISO 14001:2015  
DIN EN ISO 45001:2018

PV-module type approval according to IEC 61215:2016 <sup>3</sup>

PV-module safety qualification according to IEC 61730:2016 <sup>3</sup>

Resistant to ammonia according to IEC 62716:2013 <sup>3</sup>

### Guaranteed performance <sup>1</sup>

30 years of linear performance guarantee

20 years product guarantee, optional extension to 30 years

Total Care for the entire system (optional)

<sup>1</sup> For detailed information please consult the CS Wismar GmbH warranty conditions

<sup>2</sup> See backside for detailed test loads

<sup>3</sup> Subject to recertification

# DIAMOND 350 | 355 | 360 M96 balance | full black

## Performance STC

Under standard Test Conditions STC:  
 1000 W/m<sup>2</sup>; spectrum AM 1.5;  
 Cell temperature 25°C  
 Measurement tolerance STC:  
 P<sub>mpp</sub> ±3%; I<sub>sc</sub> ±10%; U<sub>oc</sub> ±10%

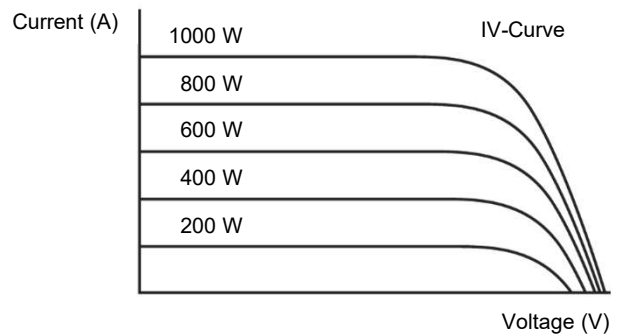
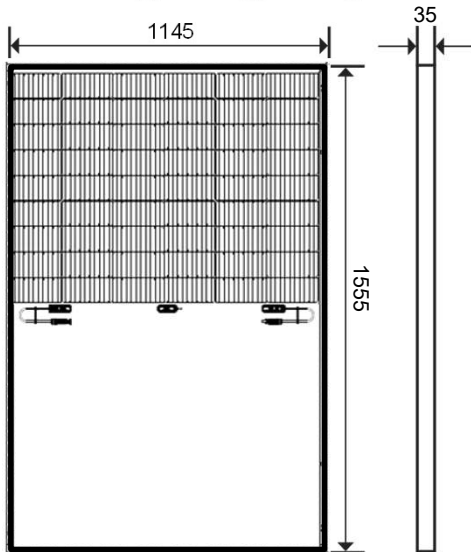
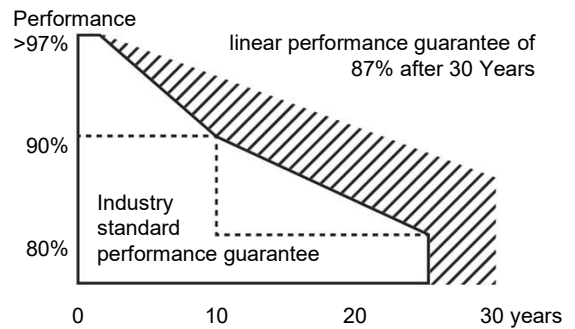
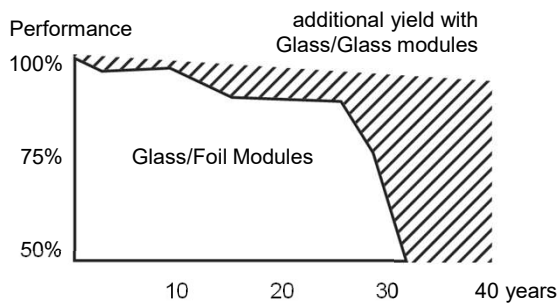
Nominal Power P <sub>mpp</sub> (Wp)	350	355	360
Open Circuit Voltage U <sub>oc</sub> (V)	32,17	32,33	32,49
Voltage U <sub>mpp</sub> (V)	28,08	28,23	28,40
Short Circuit Current I <sub>sc</sub> (A)	13,31	13,39	13,49
Current I <sub>mpp</sub> (A)	12,5	12,58	12,68
Efficiency η (%)	19,6	19,9	20,2

Reduction of module efficiency at reduction from 1000 W/m<sup>2</sup> to 200 W/m<sup>2</sup>: 3,3% ± 0,1% (relative)

## Performance NMOT

Nominal operating temperature of module  
 800 W/m<sup>2</sup>, NMOT, AM 1.5

Nominal Power P <sub>mpp</sub> (Wp)	270	273	277
Open Circuit Voltage U <sub>oc</sub> (V)	30,09	30,24	30,39
Voltage U <sub>mpp</sub> (V)	27,04	27,19	27,35
Short Circuit Current I <sub>sc</sub> (A)	10,75	10,82	10,90
Current I <sub>mpp</sub> (A)	9,98	10,04	10,12



measurements in mm

## Other Technical Specification

Max. system voltage	1000 V
Weight	23.0 ± 0.5 kg
Reverse current load IR	25 A
Junction Box	IP65/ IP68
Connector	IP65/ IP68, MC4
Fire Class Rating	Class C
Operating temperature	-40°C ... +85°C
design load: snow*	5.400 Pa
maximum test load	8.100 Pa
design load: wind*	2.400 Pa
maximum test load	3.600 Pa

\* safety factor 1.5

## Thermal Properties

TC P <sub>mpp</sub>	-0.39 %/K
TC U <sub>oc</sub>	-0.28 %/K
TC I <sub>sc</sub>	0.040 %/K
NMOT	45 +/- 2 °C



## Material Used

Number of cells	96 half-cut cells
Cell type	mono perc
Front cover	hardened solar glass
Frame material	anodized aluminium
Frame height	35 mm

## Applied Standards

ISO 9001:2015	IEC 61215:2016
ISO 14001:2015	IEC 61730:2016
ISO 45001:2018	IEC 61701:2020 <sup>3</sup>