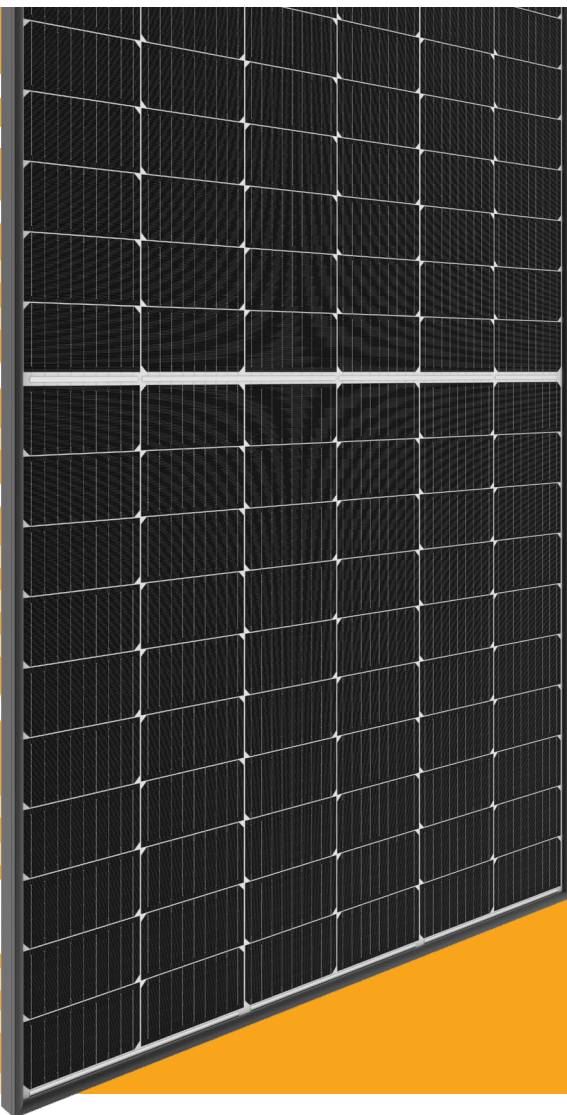


High efficiency.



IBC MonoSol HC series

Half-cut-cell module with
low LID technology.
High efficiency. Guaranteed.

Your benefits at a glance

- Reduced resistance = reduced cable loss
- Increased filling factor = improved energy yield (~ +0.5 - 1%)
- 1.5% - 2.5% increase in performance
- Lower string current and lower NMOT
- Better performance in partial shadowing
- 100% tested quality

higher performance classes, rather also allows the module to visually shine with the delicate busbars.

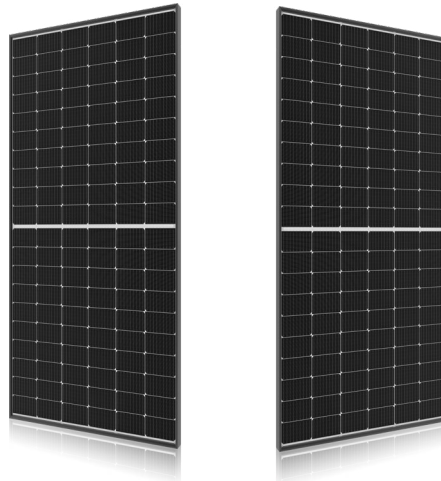
By implementing continuous further development and expansion IBC MonoSol series, IBC SOLAR can always stay on top Module outputs and module efficiencies. Converting from a full-cell to a half-cut-cell (HC) is a good example of targeted and innovative change in favour of increased performance in the IBC MonoSol range. We will continue to do our utmost to be able to provide modern modules which comply with the requirements involved. The IBC SOLAR module product range will become a future oriented, leading multi-busbar technology. This technology not only enables

WEBINAR

Bifacial, shingled and Co. –
new module technologies
under the microscope.

23.07.2020 **26.08.2020**
4:00 p.m. 4:00 p.m.





Technical data

IBC MonoSol HC series	325	330	335	340	355	360
Electrical data (STC):						
STC power P _{max} (Wp)	325	330	335	340	355	360
STC nominal voltage U _{mpp} (V)	33.6	33.8 ... 34.1	34.0 ... 34.44	34.2 ... 34.69	33.5	33.7
STC nominal current I _{mpp} (A)	9.68	9.68 ... 9.77	9.73 ... 9.86	9.80 ... 9.95	10.6	10.69
STC open circuit voltage U _{oc} (V)	41.1	40.8 ... 41.3	41.08 ... 41.61	41.7 ... 41.88	40.7	40.9
STC short circuit current I _{sc} (A)	10.50	10.31 ... 10.61	10.22 ... 10.73	10.30 ... 10.82	11.10	11.20
Module efficiency (%)	19.26	19.6	19.8 ... 19.9	20.1	19.0	19.3
Power tolerance (Wp)	-0/+5	-0/+5	-0/+5	-0/+5	-0/+5	-0/+5
Operating conditions:						
Maximum System Voltage (V)	1500	1500	1000 ... 1500	1000 ... 1500	1500	1500
Application class	A	A	A	A	A	A
Reverse current I _r (A)	20	20	20	20	20	20
Current value string fuse (A)	15	15	15	15	15	15
Fuse protection from parallel strings	3	3	3	3	3	3
Protection class	2	2	2	2	2	2
Fire protection	Class C	Class C	Class C	Class C	Class C	Class C
Mechanical properties:						
Dimensions (L x W x H in mm)	1684 x 1002 x 40	1684 x 1002 x 40 1692 x 1002 x 40	1684 x 1002 x 40 1692 x 1002 x 40	1684 x 1002 x 40 1692 x 1002 x 40	1776 x 1052 x 35	1776 x 1052 x 35
Weight (kg)	19.0	19.0 ... 19.5	19.0 ... 19.5	19.0 ... 19.1	20	20
Maximum Test load, push/pull (Pa)	5400/2400	5400/2400	5400/2400	5400/2400	5400/2400	5400/2400
Maximum design load, push/pull (Pa)	3600/1600	3600/1600	3600/1600	3600/1600	3600/1600	3600/1600
Front sheet (mm)	3.2 (low-iron solar glass with anti-reflection coating)					
Frame	Anodised aluminium, hollow chamber frame profile					
Cells	12 x 10	12 x 10	12 x 10	12 x 10	12 x 10	12 x 10
Connection type	EVO2	EVO2	MC4/EVO2	MC4/EVO2	EVO2	EVO2
Warranties and certification:						
Product warranty	15 years					
Performance warranty	25 years linear					
Certification	IEC 61215, IEC 61730, ISO 9001, ISO 14001, OHSAS 18001					

NOTE:

All values according to DIN EN 50380. Errors and amendments reserved. The exact conditions and contents can be found in the product and performance warranty in its respective valid version, which you will receive from your IBC Premium Partner. Loads according to IEC 61215-2:2016, maximum permissible load corresponds to the planning load/design load. Products and services are subject to alterations and amendments and can deviate from the technical data, due in part to country-specific requirements. IBC SOLAR will not be liable for any mistakes or printing errors.