SWISS SOlar GUALITY TECHNOLOGY

IBEX 132MHC-EIGER FULL BLACK 495/500 495/500

IBEX HIGH EFFICIENCY MONOCRYSTALLINE SOLAR MODULES WITH HALF CELL TECHNOLOGY



Positive power tolerance (0+5W) guaranteed

High performance under low light. Works at cloudy, rainy days



The monolithic perc cell structure technology (low resistance characteristics) is adopted (the maximum conversion efficiency of modules is up to 21.06%)



Reduced resistance between cells Less micro cracks, higher output power



EXTREME WEATHER RATING. High-tech aluminium alloy frame, certified for high snow (5400 Pa) and wind loads (3800 Pa)



SUPER STRONG FRAME. The overflow tank is waterproof with double layers. Aluminum frame enhances the mechanical load strength by 10%

- IEC61215(2016), IEC61730(2016)
- IS09001:2015: Quality Management System
- ISO45001:2018
 Occupational health and safety
 management systems







IBEX 132MHC-EIGER 495-500 FULL BLACK

MONOCRYSTALLINE SOLAR MODULE

ELECTRICAL DATA AT STC	ELECTRICAL DATA AT STC			
Rated power Pmpp [Wp]	495	500		
Pmpp range to	0/+5W	0/+5W		
Rated current Impp [A]	12.85A	12.92A		
Rated voltage Vmpp [V]	38.52V	38.70V		
Short-circuit current Isc [A]	13.74A	13.81A		
Open-circuit voltage Uoc [V]	46.51V	46.67V		
Efficiency at STC up to	20.85%	21.06%		
Application Class	Class A	Class A		
Specification as par STC (Standard test conditions): irradiance 1000 W/m² madula temperature 2500 Air Mass - 1.5				

Specification as per STC (Standard test conditions): irradiance 1000 W/m² | module temperature 25°C | Air Mass = 1.5

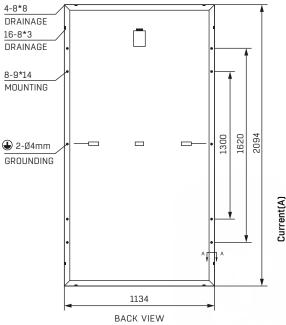
ELECTRICAL DATA AT NOCT		
Power at Pmpp [Wp]	373.00	377.00
Rated current Impp [A]	10.35	10.39
Rated voltage Vmpp [V]	36.04	36.28
Short-circuit Isc [A]	10.97	11.01
Open-circuit voltage Uoc [V]	44.03	44.28

NOCT (nominal operating cell temperature): irradiance 800 W/m² | Wind speed 1 m/sec | Ambient temperature | 20°C cell operating temperature 45 +/-2°C | Air Mass = 1.5

LIMITING VALUES	
Max. system voltage [V]	1500V DC (IEC)
Max. return current [I]	20A
Operating Temperature	- 40 to +85°C
Max.tested pressure load [Pa]2	5400
Max. tested tensile load [Pa]2	3800

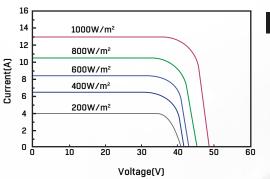
TEMPERAT	EMPERATURE COEFFICIENT			
lsc	Voc	Pmax		
0.05% /°C	-0.28% /°C	-0.36% /°C		

SPECIFICATIONSNumber of cells132 (6 x 22) I 182x182 mmDimensions2094x1134x35 mmWeight25.5 kgFront-side glass3.2 mm tempered Low Iron GlassFrameStable, anodised aluminium frame, black
Dimensions2094x1134x35 mmWeight25.5 kgFront-side glass3.2 mm tempered Low Iron GlassFrameStable, anodised aluminium frame, black
Weight25.5 kgFront-side glass3.2 mm tempered Low Iron GlassFrameStable, anodised aluminium frame, black
Front-side glass3.2 mm tempered Low Iron GlassFrameStable, anodised aluminium frame, black
Frame Stable, anodised aluminium frame, black
Junction box Split Junction Box (IP68)
Cable 4 mm², +300mm,-400mm Cust.Length
Diodes 3 Diodes
Plug-in connection MC4 Compatible
Hail test (max. hailstrom) Ø45mm 23 m/s 83 km/h



PACKING CONFIRGURATION						
Container	40 HQ	Pieces Per Pallet	31			
Pallets Per container	22	Pieces per Container	682			

The specifications and average values can vary slightly. Relevant is the corresponding data of the individual measurement. Specifications are subject to change without notice. Measurement tolerance depending on equipment rated power \star - 3%, other values \star - 10%. All information given in this data sheet correspondes to DIN EN SO380. A potential light-induced degradation of the power after commissioning is not considered here. Further information in the installation manuals. 1 The specific warranty conditions are given under www.swissenergy-solar.ch | 2 Horizontal mounted | 3 Tolerance L/W = \star - 3 mm. H \star -2mm, the dimensions given in the order confirmation will be decisive | 4 Location and dimensions of holes on request



WARRANTY

20 YEARS PRODUCT WARRANTY

30 YEARS POWER WARRANTY

swiss solar

SWISSENERGY-SOLAR.CH