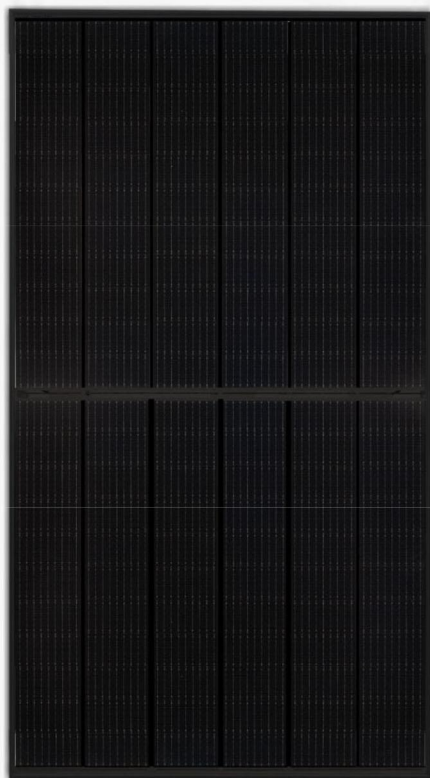


HG-500-182M/132

HIGH PERFORMANCE
MONOCRYSTALLINE PERC MODULE

Himin® PV



Black SERIES

Size: 2094 × 1134 × 35mm
Cell: 182mm

132CELL
Mono PERC Module

480–505Wp
Power Output Range

1500VDC
Maximum System Voltage

21.28%
Maximum Efficiency

LINEAR PERFORMANCE WARRANTY

12 year Product Warranty / 25 year Linear Power Warranty



★ Please check the valid version of Limited Product Warranty which is officially released by Himin Clean Energy Holdings Co., Ltd



KEY SALIENT FEATURES



Independently certified state-of-the-art automated manufacturing



Dual stage 100% EL Inspection warranting defect-free product



Industry leading lowest thermal co-efficient of power



Module Imp binning radically reduces string mismatch losses



Industry leading 12 years product warranty



Warranted reliability and stringent quality assurances well beyond certified requirements



Excellent low irradiance performance



Certified to withstand severe environmental conditions



Excellent PID resistance

- ♦ Anti-reflective & anti-soiling surface minimise power loss from dirt and dust
- ♦ Severe salt mist, ammonia & blown sand resistance, for seaside, farm and desert environments
- ♦ Excellent mechanical load 2400Pa & snow load 5400Pa resistance



Positive tight power tolerance

Himin Clean Energy Holdings Co., Ltd

Add: Sun-moon Mansion, Solar Valley Road 253090 Dezhou City, Shandong, China
Tel: +86 534 508 9496

Web: www.himinsun.com

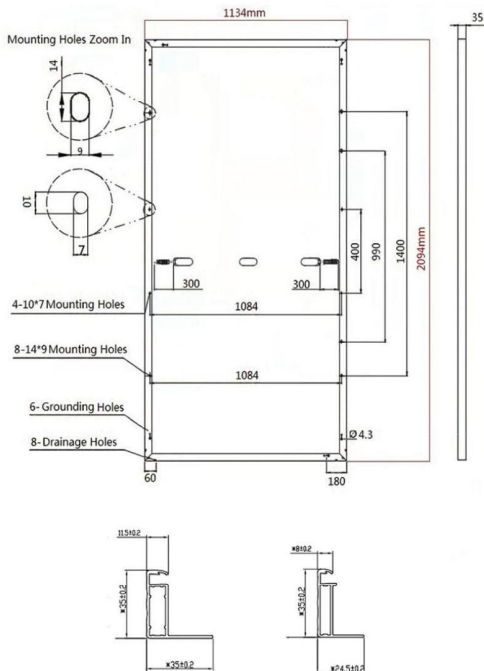
E-mail: info@himin.com



HG-500-182M/132



Dimensions of PV Module Unit: mm



ELECTRICAL DATA (STC)

Model Number	HG-480-182M/132	HG-485-182M/132	HG-490-182M/132	HG-495-182M/132	HG-500-182M/132	HG-505-182M/132
Rated Power in Watts-Pmax(Wp)	480	485	490	495	500	505
Open Circuit Voltage-Voc(V)	45.05	45.30	45.55	45.80	46.05	46.30
Short Circuit Current-Isc(A)	13.58	13.63	13.68	13.73	13.78	13.83
Maximum Power Voltage-Vmpp(V)	37.40	37.60	37.85	38.10	38.35	38.60
Maximum Power Current-Impp(A)	12.85	12.90	12.95	13.00	13.05	13.10
Module Efficiency (%) *	20.21	20.42	20.64	20.85	21.06	21.28

STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3.

* Module Efficiency (%): Round-off to the nearest number

MECHANICAL DATA

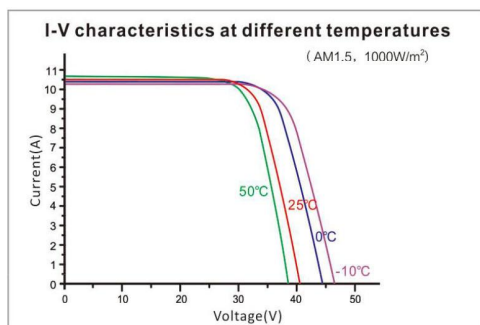
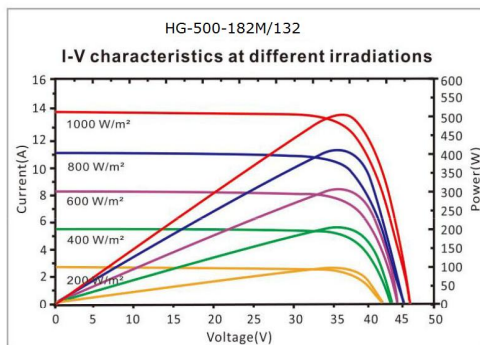
Solar cells	Monocrystalline
Cell size	182mmx91mm 10BB
Cell configuration	132 cells(6x11+6x11)
Module dimensions	2094x1134x35x24.5mm
Weight	26kg
Superstrate	High Transmission, Low Iron, Tempered ARC Glass
Substrate	Black Back-sheet
Frame	Anodized Aluminium Alloy type 6005 T6, Black Color
J-Box	Potted, IP68, 1500VDC, 3 Schottky bypass diodes
Cables	4.0mm ² (12AWG), Positive(+)300mm, Negative(-) 300 mm (Connector Included)
Connector	MC4-compatible

TEMPERATURE & MAXIMUM RATINGS

Nominal Module Operating Temperature (NMOT)	44°C±2°C
Temperature Coefficient of Voc	-0.27%/°C
Temperature Coefficient of Isc	0.04%/°C
Temperature Coefficient of Pmax	-0.36%/°C
Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Max Series Fuse Rating	25A
Limiting Reverse Current	30A

PACKAGING CONFIGURATION

	40ft(HQ)
Number of modules per container	682
Number of modules per pallet	31
Number of pallets per container	22
Packaging box dimensions (LxWxH) in mm	2120x1130x1260
Box gross weight[kg]	834



CAUTION:READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.

©2020 Himin Solar. All rights reserved. Specifications included in this datasheet are subject to change without notice.