Residential / Commercial

DMEGC SOLAR

N-Type

MONO-FACIAL MODULE

Type: DMXXXM10RT-60HSW

Power Range: 490-505W

Max. Efficiency : 22.8 %

Better Performance

Our modules perform better on sunny and hot days thanks to its optimized temperature coefficient.

Excellent Low Light Performance

Our modules can also provide higher power output under low light conditions, such as sunset, cloudy, or dawn.

Excellent Quality

More than 40 years' experience of manufacturing and intensive quality tests above the IEC standard ensures reliable modules and a secured investment.
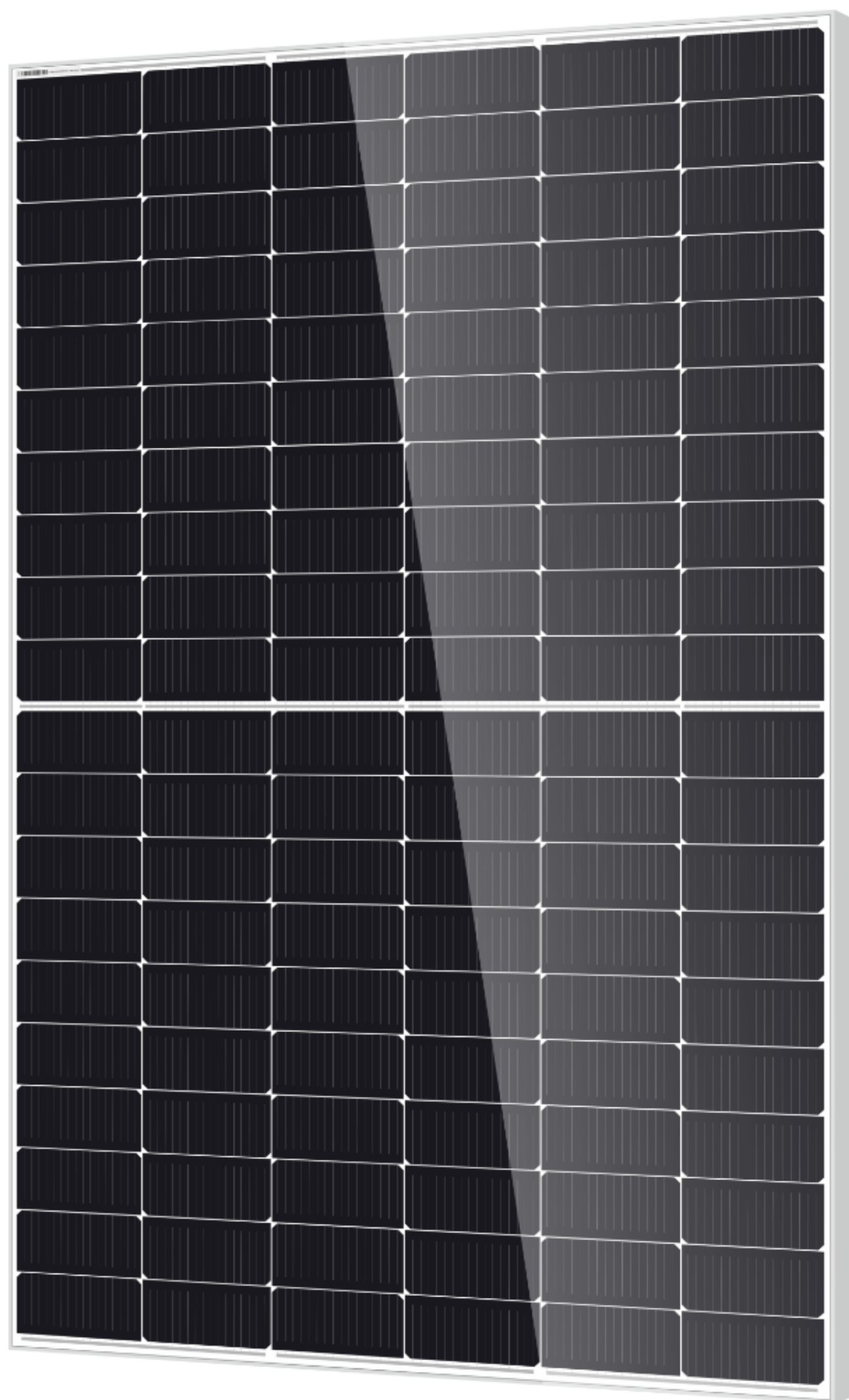
Assumption of Environmental, Social and Governance Responsibility (ESG)

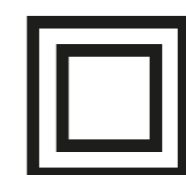DMEGC stands for his responsibility. Production is certified according to SA 8000 (ILO standards).

High-quality service

We provide a customer-oriented and localized services, covering pre-sale, sale and after-sales.

Certifications

SA 8000	ILO Standards. Social responsibility standards
ISO 9001	Quality management system
ISO 14001	Environmental management system
ISO 45001	Occupational health and safety management system
ISO 50001	Energy management system

TÜV SÜD · CE · MCS CERTIFIED · WEEE SOLAR PV DE 50188598

TIER 1 Bloomberg NEW ENERGY FINANCE · SolarPower Europe Member · ISO · SA 8000

A member of Hengdian Group **hg**

DMXXXM10RT-60HSW

DMEGC SOLAR

Module Specification

Cell Type	N -type Mono-crystalline , 120 (6x20)
Dimensions (mm)	1950 x 1134 x 35
Weight (kg)	23.1
Front Cover	3.2 mm tempered solar glass with anti -reflective coating
Rear Cover	Backsheet
Junction Box	3 Diodes, IP68 according to IEC 62790
Cables	4 mm² /Portrait： 350mm (+)/250mm (-) or Customized Length
Connector Type	PV-ZH202B or MC4 (1000V) PV-ZH202B or MC4-EVO 2A (1500V)

Back side(mm)
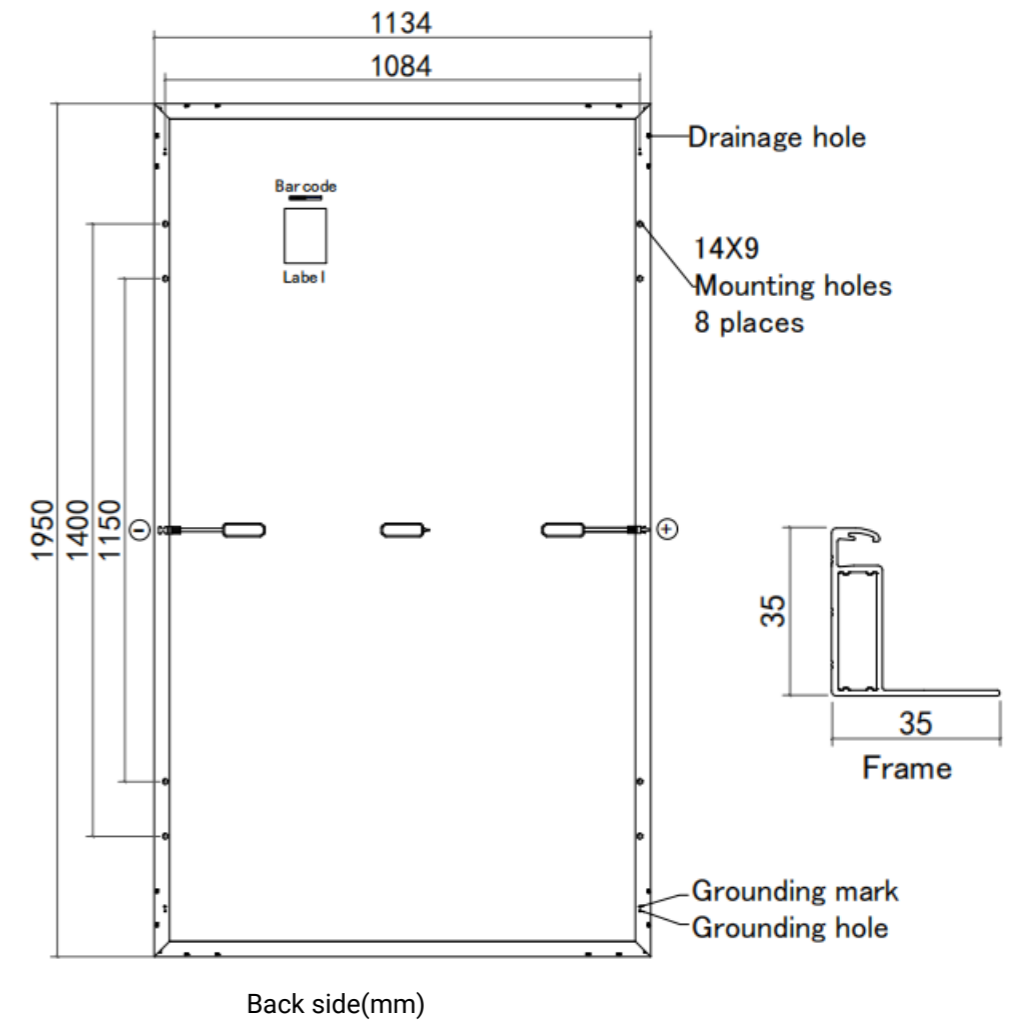
Electrical Specifications[1]

Module Type	DM490M10RT-60HSW DM490M10RT-60HSW-V		DM495M10RT-60HSW DM495M10RT-60HSW-V		DM500M10RT-60HSW DM500M10RT-60HSW-V		DM505M10RT-60HSW DM505M10RT-60HSW-V	
Testing Condition	STC[2]	NMOT[3]	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (Pmax/W)	490	369	495	373	500	376	505	380
Maximum Power Current (Imp/A)	13.44	10.85	13.50	10.90	13.56	10.95	13.62	10.99
Maximum Power Voltage (Vmp/V)	36.47	34.07	36.67	34.25	36.87	34.44	37.07	34.63
Short-circuit Current (Isc/A)	13.92	11.21	13.98	11.26	14.04	11.31	14.10	11.35
Open-circuit Voltage (Voc/V)	43.82	41.47	44.02	41.65	44.22	41.84	44.42	42.03
Module Efficiency STC (%)	22.2		22.4		22.6		22.8	

[1] Measurements according to IEC 60904-3, Measurement tolerance: ISC: ±4 %,VOC: ± 3 %,
[2] STC (Standard Test Condition): Radiation 1000 W/m², Module temperature 25℃, AM = 1.5
[3] NMOT: Radiation 800 W/m², Ambient temperature 20℃, AM = 1.5, Wind Speed 1 m/s

Certifications and Warranty

Certifications	IEC 61215, IEC 61730
	Ammonia Corrosion Test: IEC 62716
	Salt Mist Corrosion Test: IEC 61701
	PID (IEC TS 62804); LeTID (IEC TS 63342)
	Dust & Sand (IEC 60068)
WEEE Registration No.	DE 50188598
Product Warranty	20 years
Peak Power Warranty	30 years linear warranty

1.) First year: min. 99 %. 2.) From the 2nd year: Max. 0.4 % degradation annually. 3.) Min. 87.4 % in the 30th year.

Operating conditions

Operating Temperature (℃)	-40 to +85
Maximum System Voltage(V)	1000V/1500V DC (IEC)
Overcurrent protection rating (A)	25
Power Performance Tolerance (%)	0 / +3
Protection class	II
Max. Test Load, Push/Pull (Pa)	Snow 5400 / Wind 2400
Max. Design Load, Push/Pull (Pa)	3600 / 1600

Temperature Characteristics

Nominal Module Operating Temperature (NMOT) 42 ± 2 ℃

Temperature Coefficient of Pmax (%/℃)	-0.29
Temperature Coefficient of Voc (%/℃)	-0.25
Temperature Coefficient of Isc (%/℃)	+0.048

Packaging

Container	40' HQ
Pallet Dimensions(mm)	2000 × 1140 × 1250
Pieces per Pallet	31
Pieces per Container	744

Current-Voltage Curve (495 W)
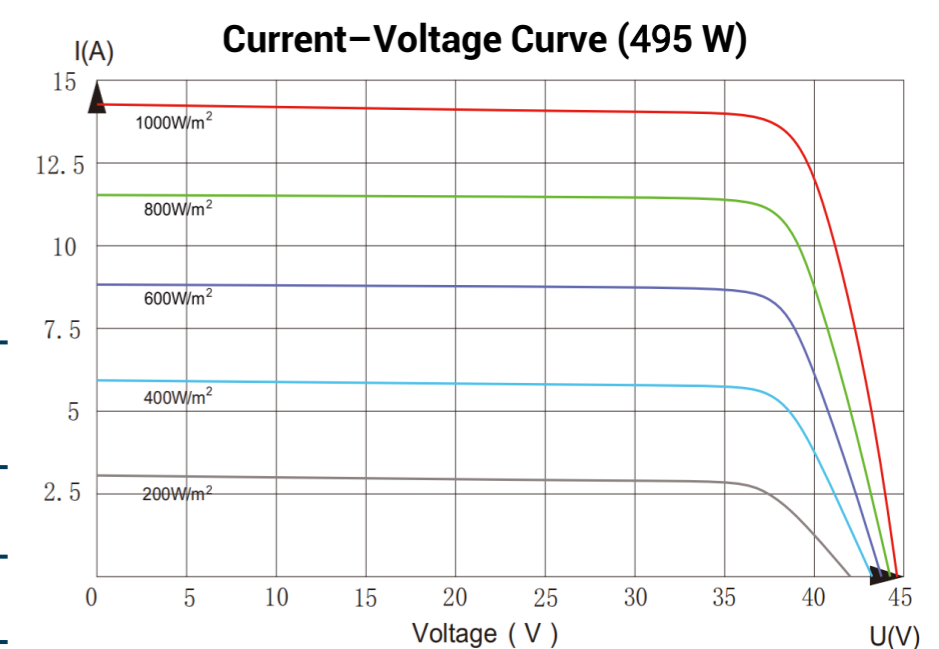
Statement: The installation instructions and the warranty conditions must be followed. Due to technological progress, product parameters will be adjusted accordingly.When signing the contract, the latest data of the company shall prevail.

VDH SOLAR

Distributeur: VDH Solar Groothandel B.V.

Finlandlaan 1, 2391 PV Hazerswoude-Dorp, Holland

+31 (0)172 235 990 | info@vdh-solar.nl | www.vdh-solar.nl

DMEGC SOLAR