DMEGC SOLAR

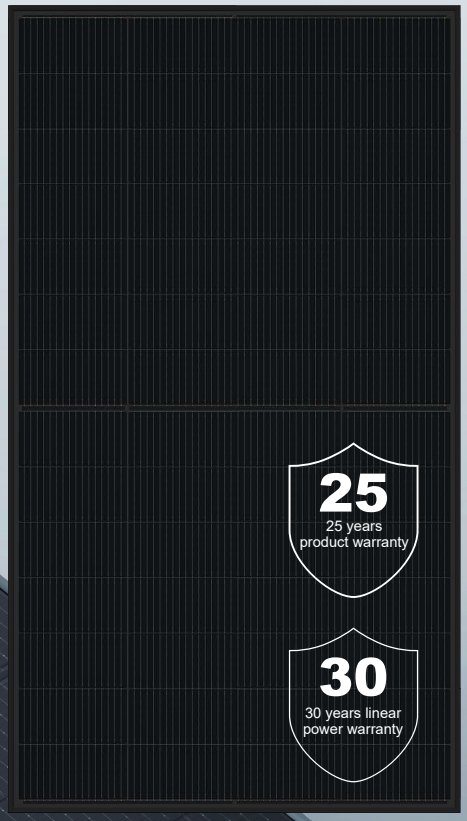
INSTALLER FRIENDLY MODULE 2.0

N-type

Mono facial Module with Double Glass

DMxxxG12RT-G28HBB

265~280W



Please refer to the DMEGC Standard Limited Warranty for more details about the product warranty and power warranty.

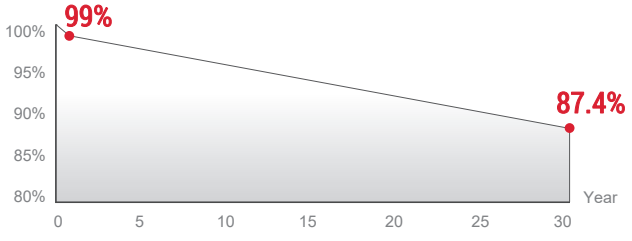
Installer Friendly Concept
Compact design for easier handling.

Expanded PV Layup
High flexibility at roof shape, especially for tiny part of roofs.

Perfect Residential Solution
Infinity nice looking black module

Leading Manufacturing
40+ years experience in high-tech manufacturing.

POWER WARRANTY



≤1% 1st-year degradation ≤0.4% per year during 2nd year till 30th year

COMPANY MANAGEMENT SYSTEM

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
ISO 27001: Information security management system

ASSOCIATE CERTIFICATES

Warranty partner

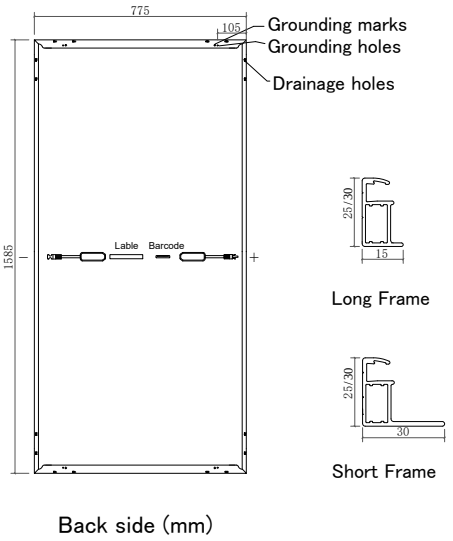
Munich RE

A member of Hengdian Group

DMxxxG12RT-G28HBB

Module Specification

Cell Type	N type Mono-crystalline, 56(4×14)
Dimensions (mm)	1585x775x25/30mm
Weight (kg)	15.6
Front Cover	2mm heat strengthened glass, anti-reflective coating
Rear Cover	2mm heat strengthened glass
Junction Box	2 diodes, IP68 according to IEC 62790
Output Cables (Including Connector)	4mm|/900mm or customize
Connector Type	PV-D01 or MC4-EVO2A



Back side (mm)

Electrical Specifications[1]

Module Type	DM265G12RT-G28HBB	DM270G12RT-G28HBB	DM275G12RT-G28HBB	DM280G12RT-G28HBB
Testing Condition	STC[2]	STC	STC	STC
Maximum Power (Pmax/W)	265	270	275	280
Maximum Power Current (Imp/A)	15.03	15.16	15.29	15.42
Maximum Power Voltage (Vmp/V)	17.65	17.81	17.97	18.13
Short-circuit Current (Isc/A)	15.68	15.78	15.88	15.98
Open-circuit Voltage (Voc/V)	20.72	20.94	21.16	21.38
Module Efficiency STC (%)	21.57%	21.98%	22.39%	22.79%

[1] Measurements according to IEC 60904-3, Measurement tolerance: Pmax: ±3%, Isc: ±4%, Voc: ±3%,

[2] STC (Standard Test Condition): Radiation 1000W/m², Module temperature 25°C, AM=1.5

Operating Conditions

Operating Temperature (°C)	-40 to +85
Maximum System Voltage (V)	1500 DC(IEC)
Overcurrent Protection Rating (A)	30
Power Sorting (%)	0~3
Protection Class	Class II
Fire Class	Class C (IEC)
Max Test Load Capacity	Snow 8100Pa/Wind 5400Pa

Temperature Characteristics

Nominal Module Operating Temperature (NMOT)	42±2°C
Temperature Coefficient of Pmax (%/°C)	-0.29
Temperature Coefficient of Voc (%/°C)	-0.25
Temperature Coefficient of Isc (%/°C)	+0.048

Packaging

Container	40HQ
Pallet Dimensions (mm)	1620x1140x2500
Pieces per Pallet	25mm frame: 43pcs (extra 24pcs flat packed at top pallet) 30mm frame: 36pcs (extra 22pcs flat packed at top pallet)
Pieces per Container	25mm frame 1540 /1204pcs(with / without flat packed at top) 30mm frame 1316 /1008pcs(with / without flat packed at top)

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Tel: +31 (0) 8 58200765 **E-mail:** contact@dmegc.eu

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. All information in this data sheet corresponds to EN 50380. Changes and errors excepted. Document: EN DS-G12RT-G28HBB-20261104.
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