



Quality. Performance. Value.

MONOCRYSTALLINE TS4 SMART SERIES

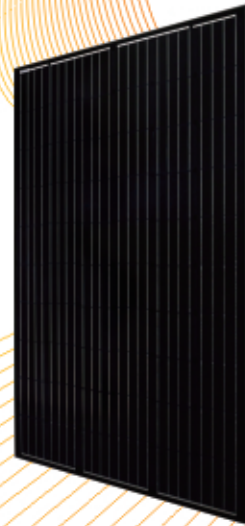
DM280-M156-60BKS Series

60 x 6" / 260 - 280W

Wattages:

260 / 265 / 270

275 / 280



TS4 Jbox Platform

Enables a choice of five different MLPE offerings



Safer Installations

Module level disconnect allows instant shutdown that is compliant with NEC 2014 Rapid Shutdown and VDE-AR-E 2100-712PV



Power-Positive Tolerance

Guaranteed power output (0/+3%)



Higher energy yield

From impedance matching technology ensuring high ROI



High module conversion efficiency

Module efficiency up to 17.11% achieved through advanced cell technology and manufacturing capabilities

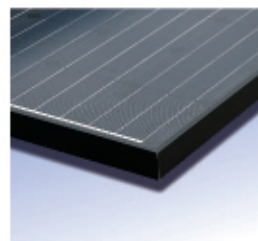
www.dmegcsolar.com

TS4 Universal Jbox Platform



DMEGC smart module comes with Tigo's TS4 Jbox platform, which enables a number of smart functions

Visible Quality



- Durable, high-quality, smooth aluminum alloy frames
- Rigid construction - 2400 Pa & 5400 Pa rated assembly
- Specially designed drainage holes prevent the frame from deforming or breaking due to freezing weather and other forces

Superior Manufacturing-Quality Assurance



- All modules are manufactured using TQC & SPC quality control systems
- Advanced cell sorting to avoid electric mismatch
- 100% EL Test- before lamination & prior to shipment
- Comprehensive safety and reliability tests are performed

Warranty

- 10 Year Manufacturer's Warranty
- 10 Year Warranty, 90% power output
- 25 Year Warranty, 80% power output

Certifications and standards:
IEC 61215, IEC 61730 - Conformity to CE
UL1703



Electrical Specifications

* STC irradiance of 1000w/m², spectrum AM 1.5 and cell temperature of 25 °C

Module Type	Pm(W)	Tolerance	Imp(A)	Vmp(V)	Isc(A)	Voc (V)	Module Efficiency
DM260-M156-60BKS	260	0/+3%	8.55	30.42	9.04	38.05	15.88%
DM265-M156-60BKS	265	0/+3%	8.63	30.71	9.11	38.26	16.19%
DM270-M156-60BKS	270	0/+3%	8.71	31.01	9.18	38.46	16.50%
DM275-M156-60BKS	275	0/+3%	8.79	31.31	9.25	38.68	16.80%
DM280-M156-60BKS	280	0/+3%	8.87	31.60	9.32	38.89	17.11%

Mechanical Data

Cell Type	DMTD4B157-210
Cell Arrangement	60 (6 × 10)
Module Structure	Glass / EVA / Backsheet (Black)
Front Glass Thickness	3.2mm
Application Class	Class A at IEC 61730
Junction Box Rating	IP67
Cables	1000mm/4mm ²
Connector Type	MC4 compatible
Fire Rating Class	Class C

Maximum Ratings

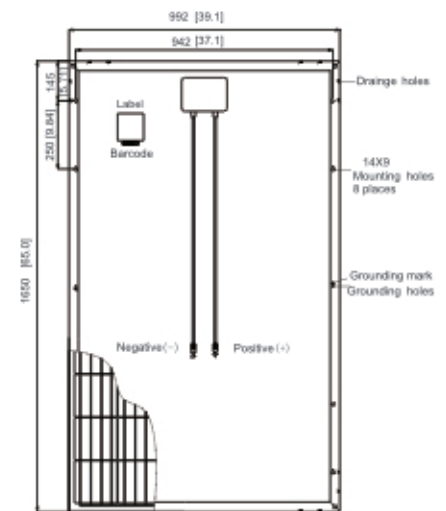
Operating Temperature	-40°C to +85°C
Maximum Load Capacity	Snow - 5400 Pa / Wind - 2400 Pa
Maximum System Voltage	1000V DC (IEC) / 600V DC (UL)
Maximum Series Fuse Rating	15A
Number of Diodes / Busbars	3 / 4
Maximum Cell Efficiency	20.2%

Packaging

Module Dimensions	1650 × 992 × 40 mm
Weight	19.5 kg
Pallet Dimensions	1690 x 1130 x 1230mm
Container	40' HQ
Pieces per Pallet	28
Pallets per Container	28
Pieces per Container	784
Gross Weight per Pallet	595kg
Gross Weight per Container	16,660 kg

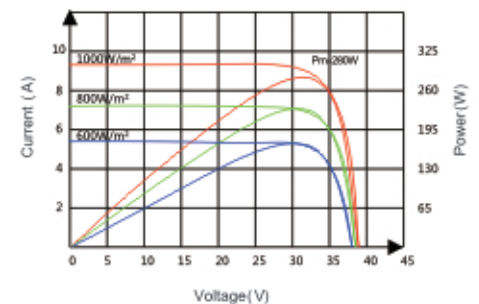
Temperature Characteristics

Nominal Operating Cell Temperature (NOCT)	45°C ± 2°C
Temperature Coefficient of Isc	+0.043 % / °C
Temperature Coefficient of Voc	-0.320 % / °C
Temperature Coefficient of Pmax	-0.420 % / °C

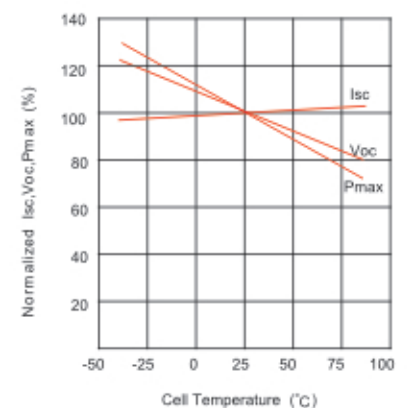


(Back side)
Note:mm[inch]

Current - Voltage & Power - Voltage Curve (280W)



Temperature Dependence of Isc, Voc, Pmax



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