

DAS ENERGY GOLF CART MODULE



ULTRA-LIGHTWEIGHT
Only 3.3 kg/m²



HIGH-EFFICIENCY SILICON CELL
Monocrystalline cells
No thin film!



UNIQUE "LOW DEGRADATION" WARRANTY
Minimum 85 % yield after 40 years



PATENTED MULTI-LAYER CELL ENCAPSULATION
Maximal microcrack protection
Increased longevity



ETFE FRONT SHEET
Soil-repellent (high self-cleaning effect)
UV & salt resistant
Optimal heat dissipation



HIGH YIELD IN ANY POSITION
Multi-directional lens structure



BENDABLE
Smallest bending diameter (2 m)



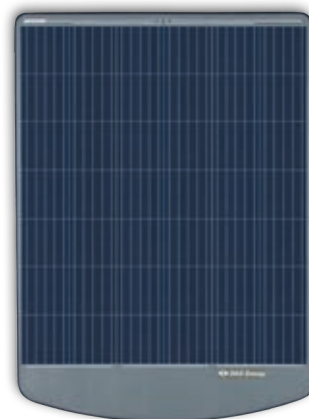
EASY TO INSTALL
Simple but strong adhesive bonding
No metal subsystem required
No ballast required



TAILOR-MADE OPTIONS AVAILABLE
Sizing to your requirement
Transparent back sheet

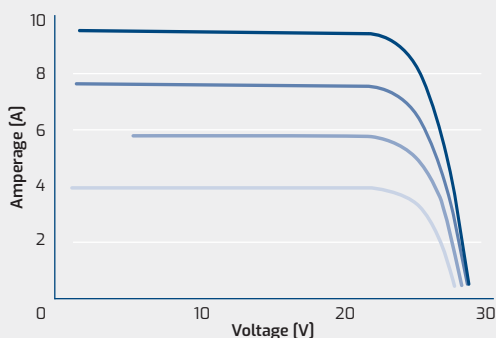


EXTREME WEATHER CONDITIONS
Even in heat, sandstorms and dusty conditions, the module provides stable and durable performance



THERMAL CHARACTERISTICS

Operating temperature range	-40°C to +85°C
Temperature coefficient P _{mp}	-0.34 % / °C
Temperature coefficient V _{oc}	-0.25 % / °C
Temperature coefficient I _{sc}	+0.03 % / °C



I-V-CURVES 7x6 M

1000W/m ²
800W/m ²
600W/m ²
400W/m ²
±5W/m ²

TECHNICAL DATA

Solar cells	5BB monocrystalline solar cells
Maximum system voltage	1000 V.
Maximum overcurrent protection rating	20 A
I _{sc}	9.48 A
I _{mp}	8.95 A
Weight	6.5 kg/Golf cart module
Front sheet	Soil-repellent ETFE
Encapsulation	Patented fiberglass-reinforced plastic
Back sheet	High-resistance PET
Junction box	TÜV-certified (IP67/68) with bypass diodes
Cables	2 x 4 mm ²
Connector	Original MC4-Evo2



GOLFCART PV-MODULE 7x6 M RJB

Name	Power	Solar cells	Module length	Module width	Voc (V)	Vmpp (V)	Imp (A)	Isc (A)
7x6 M RJB	210 Wp	42	1,392 mm	1,010 mm	28.76	23.73	8.95	9.48

RJB = rear junction box FJB = front junction box



APPLICATIONS

Compatible with all standard golf carts



POWER RANGE

20 - 330 Wp

Tolerances*

≥ 250 Wp: - 4 / + 4 W

Isc: +/- 10 %

Voc: +/- 10 %

* all electrical data at STC
(1.000 W/m² 25 +/-2 °C, AM 1.5
according to IEC 60904-3)



HIGH RELIABILITY

conform to:

IEC 61730 | IEC 61215

IEC 62804-1

Potential-induced degradation

IEC 61701 Salt mist corrosion

IEC 62716 Ammonia corrosion

EN 13501-5 B_{ROOF} (t1)

"Flying sparks test"



WARRANTY

5-year product warranty
10-year linear performance warranty



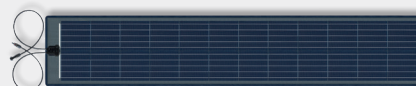
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Tel / +43 2622 35035
E-Mail / office@das-energy.com
Web / www.das-energy.com



Ferdinand Graf von Zeppelin-Straße 18
2700 Wiener Neustadt, Austria

SCIENTIFIC PARTNERS AND ASSOCIATIONS

