For a Free Quote:
Web: **EnergyPal.com/solar**
Call: **1-800-990-3725**
Email: **contact@energypal.com**

Solar Panel Guide
Specification Data Sheet

OPES Solutions GmbH
O-Pico Series Mono
OPM0060

Also available on the web at
EnergyPal.com/opes-solutions-gmbh-solar-panels/opm0060

OPES
SOLUTIONS

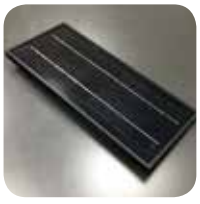
Power Your Innovations

O-Pico Series

Reliable PV Power for Pico Solar Systems

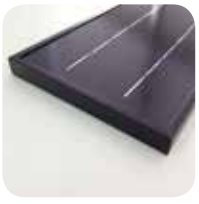
Modules with Compact Design – O-Pico Series with Small Al-Frame for Pico Solar and Lighting Systems

- From 1.5Wp to 10Wp to suit your individual pico and small PAYG system requirements.
- The compact design allows an easy transport and handling.
- Features: Anti-moisture, durable and robust, fluoride-based backsheet, guaranteed power, and TÜV certified.



Compact Design

Anti-Moisture



Reliability/ Durability

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O-Pico Series | Compact Design for Pico Systems

Model Name		OPP0030 / OPM0030	OPP0060 / OPM0060	OPP0080 / OPM0080	OPP0100 / OPM0100
Type in TÜV Certificate		OPES 12CPdef / 12CMdef			
ELECTRICAL CHARACTERISITICS	P_{max} (W)	3	6	8	10
	V_{mpp} (V)	6.11	6.11	6.11	6.11
	I_{mpp} (A)	0.49	0.98	1.31	1.64
	V_{oc} (V)	7.57	7.57	7.57	7.57
	I_{sc} (A)	0.54	1.07	1.43	1.78
	Power tolerance (%)	0 ~ +10%			
MECHANICAL CHARACTERISITICS	Module dimensions (mm)	108x269x17	183x269x17	183x347x17	341x222x17
	Cell dimensions (mm)	39x39	77x39	77x52	156x31.2
	Cell type	Poly / Mono crystalline silicon			
	No. of cells and connections	12 (2x6)			
	Front cover	3.2mm tempered glass cleaned by washing machine in-site			
	Encapsulant	High quality EVA (Ethylene-Vinyl Acetate) with doing continuous cross-linking tests in-site			
	Frame	Anodized aluminum alloy			
	Back cover	Fluoride-based backsheet in white or black color			
	Juction box	Small J-Box with fully silica potted for IP65 rated			
	Weight (kg)	0.6	0.7	0.8	0.9
WARRANTY & TEMP. CHARACTERISITICS	NOCT	45+/-2°C			
	Temperature coefficient	Pmax: -0.42 %/°C, Voc: -0.34 %/°C, Isc: 0.05 %/°C			
	Operating temperature range	-40°C ~ +80°C			
	Ambient temperature range	-40°C ~ +45°C			
	Certification	ISO 9001, ISO 14001, OHSAS 18001, CE, IEC 61215, IEC 61730 TÜV Certified			
	Product warranty	3 years			
	Performance warranty	90% of power output for 10 years and 80% for 20 years			

At STC (1000W/m², 25°C, 1.5AM)

For more details or other specification not includedabove, please do feel free to contact with us via the information below

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