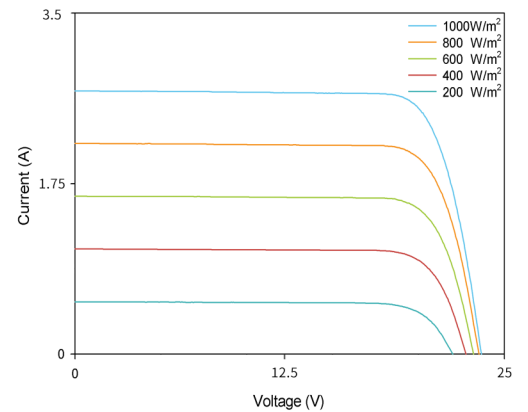


OMNIA SERIES MONO 50 WATT

ELECTRICAL PARAMETERS			STC	NOCT
Power Output	P_{max}	W	50	36.4
Power Output Tolerances	ΔP_{max}	%	-5%~+10%	-5%~+10%
Voltage at Pmax	V_{mpp}	V	18.08	16.89
Current at Pmax	I_{mpp}	A	2.77	2.16
Open-Circuit Voltage	V_{oc}	V	21.28	19.88
Short Circuit Current	I_{sc}	A	3.20	2.58
Max System	V_{sys}	V	60	60

STC : 1000W/m², 25°C, 1.5AM

NOCT : 800W/m², 45±2°C, 1m/s wind speed



Temperature Characteristics

Nominal Operating Cell Temperature	NOCT	°C	45 ± 2 °C
Temperature Coefficient of Pmax	γ	%/°C	-0.45
Temperature Coefficient of Voc	β_{Voc}	%/°C	-0.33
Temperature Coefficient of Isc	α_{Isc}	%/°C	+0.039
Temperature Coefficient of Vmpp	β_{Vmpp}	%/°C	-0.33

Mechanical Characteristics

Cell Type	Mono Crystalline Silicon
Module Dimension (mm)	L665 x W487 x H25
Module Weight	3.57 kg
Front Layer	3.2 mm Tempered Glass
Encapsulant	Ethylene-Vinyl Acetate
Frame	Anodized Aluminum Alloy, Silver Color, 25 mm
Junction Box	IP 64
Cable	18 AWG
Back Layer	PV Backsheet, White

OPES Solutions GmbH

A: Chausseestr. 22, 10115 Berlin, Germany

P: + 49 (0) 30-284 237 80

E: sales@opes-solutions.com

OPES Solutions (Changzhou) Co., Ltd. - Factory

A: Building B1, Hutang Science and Technology

Industrial Park, Wujin District, Changzhou 213000, Jiangsu, China

P: + 86 519 8188 9808

E: info@opes-solutions.com

www.opes-solutions.com

Packaging

Quantity per Pallet	40
Pallet Dimension (mm)	L697 x W1,110 x H649
Net Weight per Pallet	142.8 kg
Gross Weight per Pallet	192.8 kg
Quantity in 20" CNTR	1,920

Warranty

Certification	ISO 9001, ISO 14000, ISO 45001 TUV, CE, RoHS, REACH
Product	5 years

