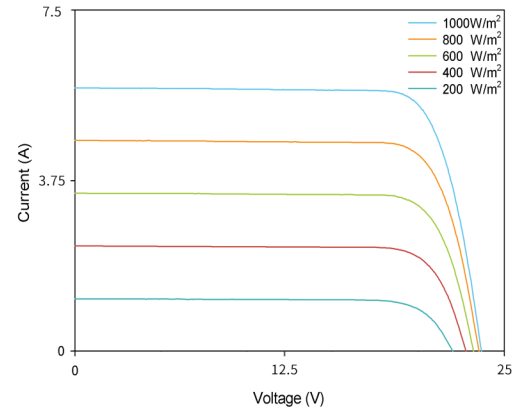


OMNIA SERIES MONO 120 WATT

ELECTRICAL PARAMETERS			STC	NOCT
Power Output	P_{max}	W	120	87.36
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	6.64	5.17
Open-Circuit Voltage	V_{oc}	V	21.28	19.88
Short Circuit Current	I_{sc}	A	7.24	5.83
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 W1,017 x H30
Module Weight	8.93 kg
Front Layer	3.2 mm Tempered Glass
Encapsulant	Ethylene-Vinyl Acetate
Frame	Anodized Alluminum Alloy, Silver Color, 30 mm
Junction Box	IP 64
Cable	14 AWG
Back Layer	PV Backsheet, White

Packaging

Quantity per Pallet	35
Pallet Dimension (mm)	L1,049 x W1,150 x H827
Net Weight per Pallet	312.55 kg
Gross Weight per Pallet	362.55 kg
Quantity in 20" CNTR	700

Warranty

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

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

