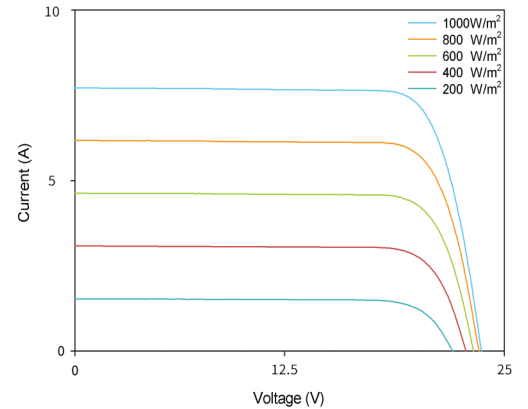


OMNIA SERIES MONO 160 WATT

ELECTRICAL PARAMETERS		STC		NOCT	
Power Output	P_{max}	W	160	116.48	
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	8.85	6.90	
Open-Circuit Voltage	V_{oc}	V	21.28	19.88	
Short Circuit Current	I_{sc}	A	9.63	7.76	
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 W1334 x H30
Module Weight	11.71 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	12 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	35
Pallet Dimension (mm)	L1,150 x W1,366 x H827
Net Weight per Pallet	409.85 kg
Gross Weight per Pallet	459.85 kg
Quantity in 20" CNTR	560

Warranty

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

