

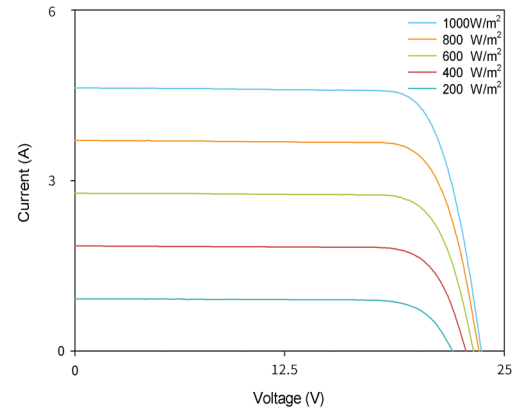
# OMNIA SERIES

# POLY 90 WATT

ELECTRICAL PARAMETERS			STC	NOCT
Power Output	$P_{max}$	W	90	65.52
Power Output Tolerances	$\Delta P_{max}$	%	-5%~+10%	-5%~+10%
Voltage at Pmax	$V_{mpp}$	V	19.44	18.16
Current at Pmax	$I_{mpp}$	A	4.63	3.61
Open-Circuit Voltage	$V_{oc}$	V	22.5	21.02
Short Circuit Current	$I_{sc}$	A	5.39	4.35
Max System	$V_{sys}$	V	60	60

STC : 1000W/m<sup>2</sup>, 25°C, 1.5AM

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



## Temperature Characteristics

Nominal Operating Cell Temperature	NOCT	°C	45 ± 2 °C
Temperature Coefficient of Pmax	$\gamma$	%/°C	-0.45
Temperature Coefficient of Voc	$\beta_{Voc}$	%/°C	-0.33
Temperature Coefficient of Isc	$\alpha_{Isc}$	%/°C	+0.039
Temperature Coefficient of Vmpp	$\beta_{Vmpp}$	%/°C	-0.33

## Mechanical Characteristics

Cell Type	Poly Crystalline Silicon
Module Dimension (mm)	L665 x W912 x H25
Module Weight	6.67 kg
Front Layer	3.2 mm Tempered Glass
Encapsulant	Ethylene-Vinyl Acetate
Frame	Anodized Alluminum Alloy, Silver Color, 25 mm
Junction Box	IP 64
Cable	16 AWG
Back Layer	PV Backsheet, White

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## Packaging

Quantity per Pallet	40
Pallet Dimension (mm)	L697 x W1,110 x H1,074
Net Weight per Pallet	266.8 kg
Gross Weight per Pallet	316.8 kg
Quantity in 20" CNTR	1,280

## Warranty

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

