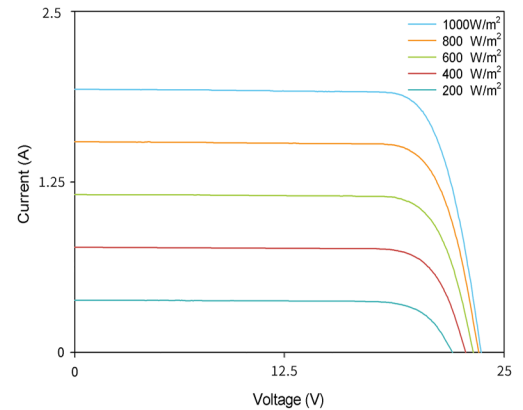


# OMNIA SERIES POLY 40 WATT

ELECTRICAL PARAMETERS			STC	NOCT
Power Output	$P_{max}$	W	40	29.12
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	2.06	1.60
Open-Circuit Voltage	$V_{oc}$	V	22.5	21.02
Short Circuit Current	$I_{sc}$	A	2.25	1.81
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 W417 x H25
Module Weight	3.05 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

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## Packaging

Quantity per Pallet	80
Pallet Dimension (mm)	L697 x W1,110 x H998
Net Weight per Pallet	244 kg
Gross Weight per Pallet	294 kg
Quantity in 20" CNTR	2,560

## Warranty

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

