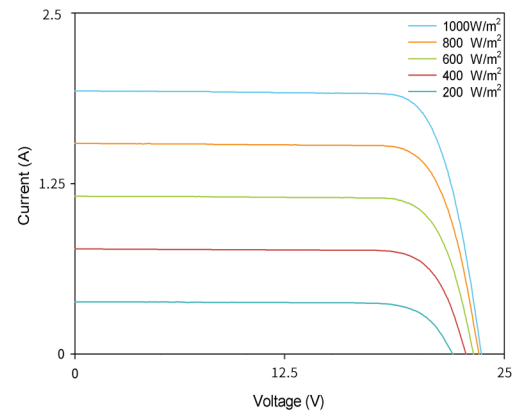


OMNIA SERIES MONO 40 WATT

ELECTRICAL PARAMETERS			STC	NOCT
Power Output	P_{max}	W	40	29.12
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	2.21	1.72
Open-Circuit Voltage	V_{oc}	V	21.28	19.88
Short Circuit Current	I_{sc}	A	2.39	1.93
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 W382 x H25
Module Weight	2.79 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	18 AWG
Back Layer	PV Backsheet, White

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Packaging

Quantity per Pallet	80
Pallet Dimension (mm)	L697 x W1,110 x H928
Net Weight per Pallet	216 kg
Gross Weight per Pallet	266 kg
Quantity in 20" CNTR	2,560

Warranty

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

