

ER-100GM

Model	ER-100GM
EAN Code	8719033872035
ELECTRICAL DATA (STC)	
Rated Power in Watts-Pmax(Wp)	100W
Open Circuit Voltage-Voc(V)	21.95V
Short Circuit Current-Isc(A)	5.87A
Maximum Power Voltage-Vmp(V)	17.90V
Maximum Power Current -Imp(A)	5.59A
Module Efficiency (%)	15.44%
STC: Irradiance 1000W/m ² , Cell Temperature 25°C, Air Mass AM 1.5 according to EN 60904-3.	
ELECTRICAL DATA (NOCT)	
Maximum Power-Pmax(Wp)	74W
Open Circuit Voltage-Voc(V)	20.29V
Short Circuit Current-Isc(A)	4.74A
Maximum Power Voltage-Vmp(V)	17.08V
Maximum Power Current -Imp(A)	4.35A
NOCT: Irradiance at 800W/ m ² , Ambient Temperature 20°C, wind speed 1m/s.	
MECHANICAL DATA	
Solar cells	Mono-crystalline 156x91mm 4 or 5 Bus bars
Cell Configuration	36Cells 3x12
Module dimensions	1200x540x35mm
With Box Size	1260*600*59mm
Weight	7KGS
With Box Weight	8.7KGS
Front Cover	3.2m Tempered Glass
Frame Material	Anodized Aluminum Alloy
J-Box	IP65 or IP67, 6 Diodes
Cable	4mm ² (IEC)/12AWG(UL), 900mm
Connectors	MC4 or MC4 Comparable
TEMPERATURE & MAXIMUM RATINGS	
Nominal Operating Cell Temperature(NOCT)	45°C±2°C
Temperature Coefficient of Voc	-0.32%/°C
Temperature Coefficient of Isc	0.05%/°C
Temperature Coefficient of Pmax	-0.39%/°C
Operational Temperature	-40~+85°C
Maximum System Voltage	1000V(IEC)/600V(UL)
Max Series Fuse Rating	10A
Limiting Reverse Current	10A

