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# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

**Eastman Auto and Power Ltd.  
EPP100W -Solar PV Module  
EPP100W**

Also available on the web at  
[EnergyPal.com/eastman-auto-and-power-ltd-solar-panels/epp100w](http://EnergyPal.com/eastman-auto-and-power-ltd-solar-panels/epp100w)

# TECHNICAL SPECIFICATIONS

## Data at Standard Test Conditions (STC)

Model No	EPP100W	EPP150W	EPP265W
Peak Power, Pmax (Wp)	100.00	150.00	265.00
Voltage at Max Power, Vmax (V)	17.00	17.50	30.92
Open circuit Voltage, Voc (V)	21.45	21.50	37.95
Current at Max Power, Imax (A)	5.88	8.57	8.58
Short Circuit Current, Isc (A)	6.32	9.21	9.18
FF	0.74	0.76	0.76

Note: STC (Irradiance 1000W/m<sup>2</sup>, AM 1.5, cell temperature 25°C)

## Electrical Data at NOCT

Model No	EPP100W	EPP150W	EPP265W
Power (W)	73.44	110.16	194.62
Voltage at Max Power, Vmax (V)	16.72	16.83	28.45
Open circuit Voltage, Voc (V)	20.37	20.51	34.90
Current at Max Power, Imax (A)	4.37	6.55	6.84
Short Circuit Current, Isc (A)	5.10	7.44	7.42

Note: NOCT (Irradiance 800W/m<sup>2</sup>, AM 1.5, cell temperature 45°C)

Module Length (mm)	1035	1480	1656
Module Width (mm)	670	670	991
Module Efficiency (%)	14.42	15.13	16.15
Mounting Holes pitch X (mm)	640	640	942
Mounting Holes pitch Y (mm)	535	810	810
Module Weight Aprox. (Kg)	10.3	14.8	18.2

Power Tolerance: -0/+3%, Electrical Parameters Tolerance : ±5%