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Solar Panel Guide Specification Data Sheet

**Comtec Energy (P) Ltd.
CEP-090M Series
CEP-100/12**

Also available on the web at
EnergyPal.com/comtec-energy-p-ltd-solar-panels/cep-100-12

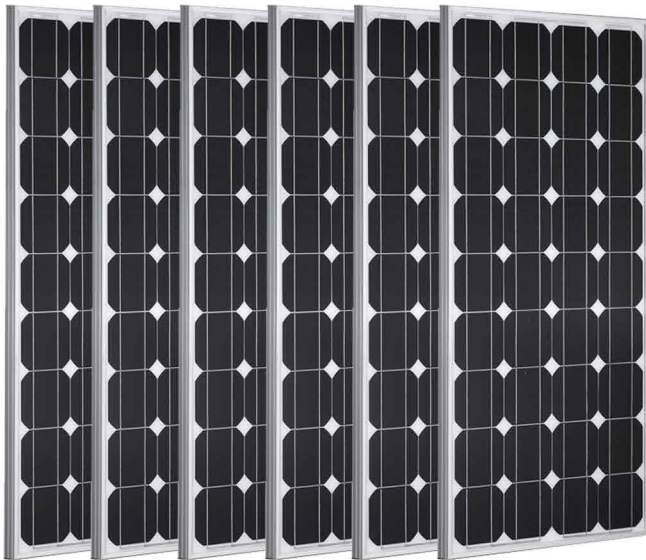
CEP-090M SERIES

Monocrystalline Silicon Solar Module

CEP-090 SERIES

Monocrystalline Silicon Solar Modules

High efficiency photovoltaic module using silicon nitride coated monocrystalline silicon cells

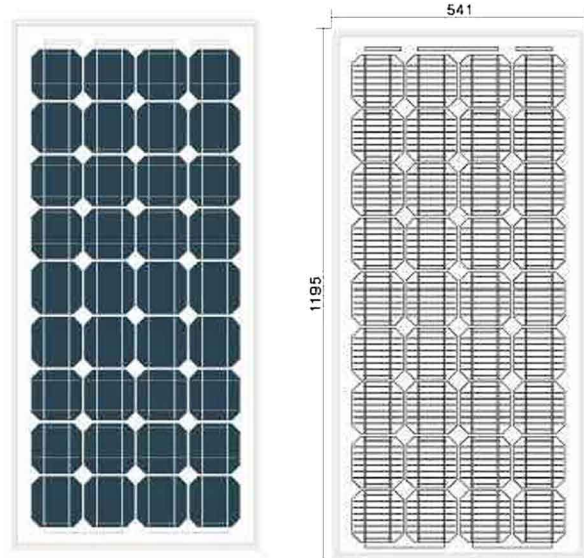
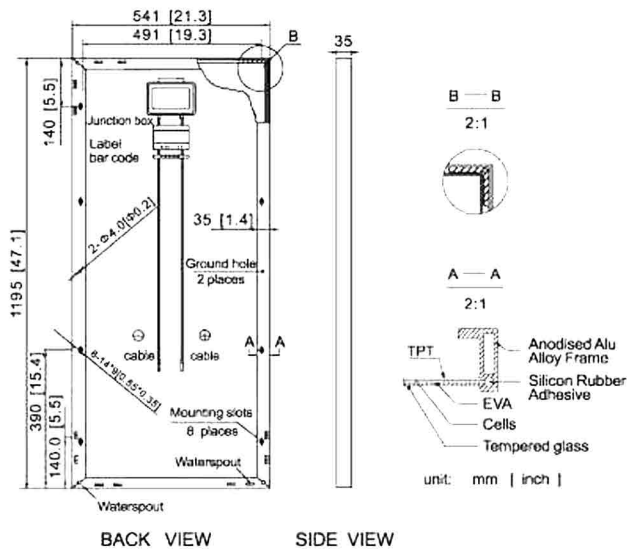


Mechanical Characteristics

Cell Size (mm)	125 x 125
Module Size (mm)	1195 x 541 x 35
No. of cells	36 (4x9)
Frame Type	Aluminium
Weight (Kg)	7.5
No. of mounting holes	8
No. of waterspouts	16

Temperature Coefficient

NOCT	47°C ± 2°C
Temperature coefficient of I_{sc}	0.03%/°C
Temperature coefficient of V_{oc}	-0.333%/°C
Temperature coefficient of P_{max}	-0.459%/°C
Power Tolerance	± 3%



Electrical Characteristics

Model	CEP-070/12	CEP-075/12	CEP-080/12	CEP-085/12	CEP-090/12	CEP-095/12	CEP-100/12
P_m (Wp)	70	75	80	85	90	95	100
V_{mp} (Volts)	17.0	17.1	17.5	18.0	18.4	18.7	18.9
I_{mp} (Amps)	4.11	4.38	4.56	4.73	4.90	5.08	5.29
V_{oc} (Volts)	21.7	21.7	21.9	22.0	22.2	22.4	22.5
I_{sc} (Amps)	4.70	4.89	5.07	5.21	5.30	5.48	5.7
Max System Voltage	715VDC	715VDC	715VDC	715VDC	715VDC	715VDC	715VDC

STC : Irradiance 1000W/m², Temperature 25°C, AM=1.5

