

# ADITYA CLEAN ENERGY SYSTEMS (P) LIMITED



ADITYA NAMAH !!

## Mono Crystalline

### ACES72M-300W

#### Electrical Characteristics

Maximum Power (Pmax)	300 Wp
Voltage at Pmax (Vmp)	36.80 V
Current at Pmax (Imp)	8.16 A
Short Circuit Current (Isc)	8.71 A
Open Circuit Voltage (Voc)	45.30 V
Temperature coefficient of Current	0.06±0.01 %/K
Temperature coefficient of Voltage	-78±10 mV/K
Temperature coefficient of Power	-0.5±0.05 %/K
Fill Factor	76.10%
Maximum System Voltage	1000V

#### Mechanical Characteristics

Junction Box Type	IP65 Rated 4 Terminal JB with 3 By-pass Diodes, PPO
Connectors & Cables	4 mm <sup>2</sup> cable of Length 900 mm with MC4 Connectors
Construction	Front: High Transmission > 91.5 % Glass Encapsulant: EVA Rear: Tedlar
Glass	High Transmission > 91.5 % Low Iron 3.2 mm
Frame	Anodized Aluminum Alloy

#### Other Specifications

Cell Type	Mono Crystalline
Cell Efficiency	>18.2 %
Number of cells & Array Type	72 (6x12)
Size of Module (mm)	1956x992x35
Weight	22.0 Kg

#### Quality and Safety

Quality Certification	IEC 61215 and IEC61701
Electrical Safety	IEC61730-1 and 2
Safety Class	II
Performance Certification	IEC 60904-2 and IEC60891

#### Warranty

- 25 year limited warranty on power output & 5 years product warranty
- 10 years: 90% minimum performance, 25 years: 80% minimum performance

