



3M6 - 300 Wp to 335 Wp

Multi Crystalline Silicon Modules

DESERV 3M6 72 cells PV Modules Series is offered with power ratings ranging from 300 Wp to 335 Wp. These high performance Multi-Crystalline Silicon Modules are designed for on-grid, as well as off-grid applications.

KEY FEATURES



Made in India



PID resistant



Positive power tolerance

25
YEARS

Limited power output warranty



Highly reliable anti-reflective coated glass

10
YEARS

Product warranty



Windspeed - 2400 Pa

Snowload - 5400 Pa



IP67 Junction box

IEC Certified - 61215, 61730, TS 62804, 61853

IEC 61701 (Salt mist corrosion resistant- Severity 6)

IEC 62716 (Ammonia corrosion resistant)

UL Certified 1703

IEC 60068-2-68 (Sand Abrasion)

Listed in Dewa

BIS Number R-63000760



1000 Vdc

Independently Audited by



IMS Certified Company (ISO 9001: 2015, ISO 14001: 2015 & OHSAS 18001: 2007)

RenewSys has a global presence with offices in India, Mauritius, Nigeria, South Africa, Singapore, UAE, representatives in Europe, USA, and Mexico, and an evolving distributor network.



CONSERV®
E 360 - POE
Encapsulant

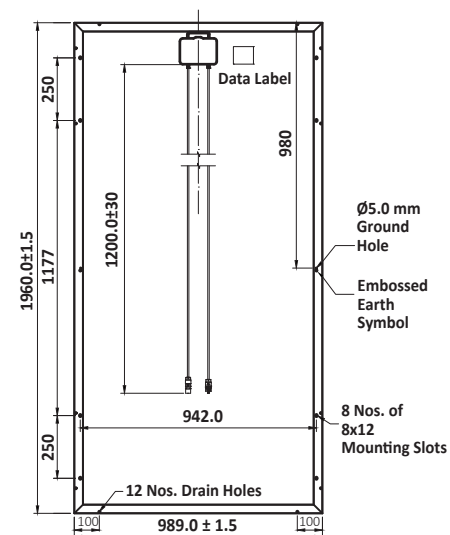
RenewSys DESERV 3M6 72 Cells

Performance under standard test conditions (1000w/m² am 1.5, 25° C)

DESERV 3M6 (Wp)	300	305	310	315	320	325	330	335
Rated power (Pmax), Wp	300	305	310	315	320	325	330	335
Max power voltage (Vmp), V	36.52	36.75	36.86	36.92	37.20	37.41	37.67	37.90
Max power current (Imp), A	08.23	08.31	08.42	08.56	08.62	08.70	08.79	08.85
Open circuit voltage (Voc), V	45.65	45.94	46.08	46.15	46.18	46.21	46.24	46.27
Short circuit current (Isc), A	08.57	08.66	08.77	08.92	09.07	09.19	09.31	09.41
Module efficiency (%)	15.47	15.73	15.99	16.25	16.50	16.76	17.02	17.28

NOCT (Wp)*	300	305	310	315	320	325	330	335
Pmax (W)	223.26	226.99	230.71	234.43	238.15	241.87	245.59	249.31
Max Power Voltage Vmp (V)	33.40	33.61	33.71	33.76	34.02	34.21	34.45	34.66
Max Power Current Imp (A)	06.70	06.76	06.85	06.97	07.01	07.08	07.15	07.20
Open Circuit Voltage Voc (V)	42.44	42.71	42.84	42.91	42.93	42.96	42.99	43.02
Short Circuit Current Isc (A)	07.00	07.07	07.16	07.29	07.41	07.51	07.60	07.69

PV Module dimensions (mm)



Operating Conditions

Ambient temperature, °C	-40 to +85
Maximum system voltage, Vdc	1000
Hail impact velocity, m/sec	23
Maximum surface load capacity, Pa	5400

Cell Temperature Coefficients

Open circuit voltage	-0.30 % / °C
Short circuit current	+0.05 % / °C
Nominal power	-0.40 % / °C

Physical Parameters

No. of cells	72
Module dimensions (mm)	1960 X 989 (± 1.5)
Module thickness (mm)	40
Approximate weight (kg)	21.6

Mechanical Characteristics

Cable	NO. 12 AWG, 4mm ² , (1.2m Standard)
PV Connectors	MC4 Compatible (MC4/TYCO on request)
Frame	Anodized Aluminum Alloy
Junction box	IP67 Junction Box With 4 Rail
Glass	3.2mm Thick Low Iron Tempered (4mm available on request)

*NOCT at 45 ± 2° C @irradiance 800 W/m²

Registered Office

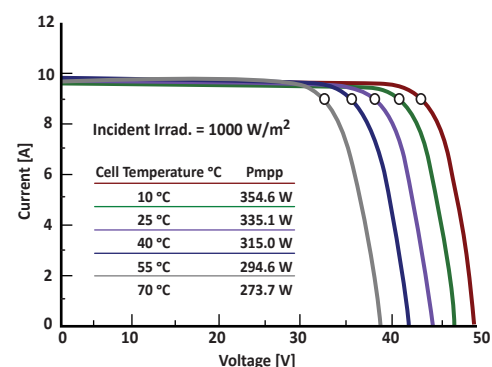
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I-V Curves: Cell temperature sensitivity chart



I-V Curves: Incident irradiance sensitivity chart

