

3M6 - 300/305/310/315/320/325/330

DESERV 3M6 72 cells PV Modules Series is offered with power ratings ranging from 300 Wp to 330 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 V_{dc}

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

Independently Audited by



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

**Performance under standard test conditions
(1000W/m² AM 1.5, 25°C)**

	DESERV 3M6-300	DESERV 3M6-305	DESERV 3M6-310	DESERV 3M6-315	DESERV 3M6-320	DESERV 3M6-325	DESERV 3M6-330
Rated power (Pmax), Wp	300	305	310	315	320	325	330
Max power voltage (Vmp), V	36.52	36.75	36.86	36.92	37.20	37.41	37.62
Max power current (Imp), A	08.22	08.30	08.41	08.55	08.61	08.69	08.78
Open circuit voltage (Voc), V	45.65	45.94	46.08	46.15	46.18	46.21	46.24
Short circuit current (Isc), A	08.56	08.65	08.76	08.91	09.06	09.18	09.30
Module efficiency (%)	15.53	15.79	16.04	16.30	16.56	16.82	17.08

Operating Conditions

Ambient temperature, °C	-40 to +85
Maximum system voltage, Vdc	1000
Hail impact velocity, m/sec	23
Maximum surface load capacity, Pascals	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)	1957 X 987 (± 1.5)
Module thickness (mm)	40
Approximate weight (kg)	21.5

Mechanical Characteristics

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

NOCT - DESERV 3M6	300 Wp	305 Wp	310 Wp	315 Wp	320 Wp	325 Wp	330 Wp
Pmax (W)	223.27	226.99	230.71	234.43	238.15	241.88	245.60
Max Power Voltage Vmp (V)	33.40	33.61	33.71	33.77	34.02	34.21	34.45
Max Power Current Imp (A)	6.69	6.76	6.85	6.96	7.01	7.07	7.14
Open Circuit Voltage Voc (V)	42.45	42.72	42.85	42.91	42.94	42.97	43.00
Short Circuit Current Isc (A)	6.99	7.07	7.16	7.28	7.40	7.50	7.56

Registered Office

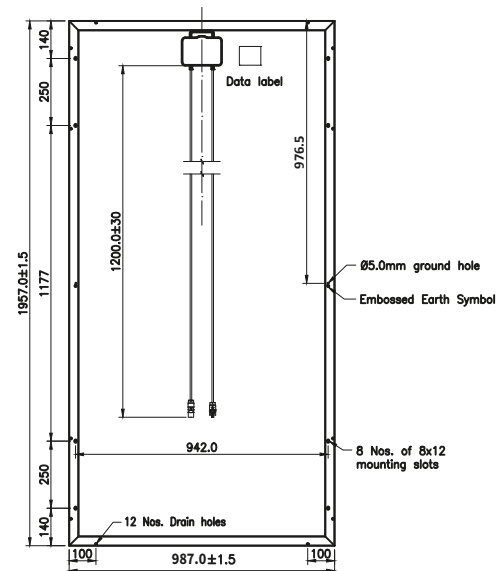
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Factory

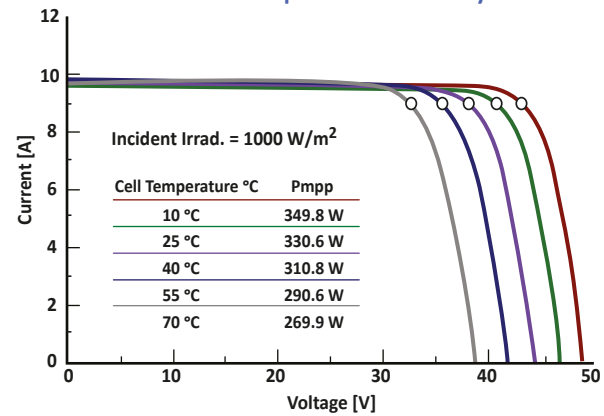
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**RenewSys DESERV 3M6 - 72 Cells
Solar PV Module Dimensions (mm)**



**RenewSys DESERV 3M6 - 330 Wp:
I-V curves Cell temperature sensitivity chart**



**RenewSys DESERV 3M6 - 330 Wp:
I-V curves Incident irradiance sensitivity chart**

