

3M6 - 250 Wp to 275 Wp Multi Crystalline Silicon Modules

DESERV 3M6 60 cells PV Module Series consist of PV Modules with power ratings ranging from 250 Wp to 275 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



1000 V_{dc}

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

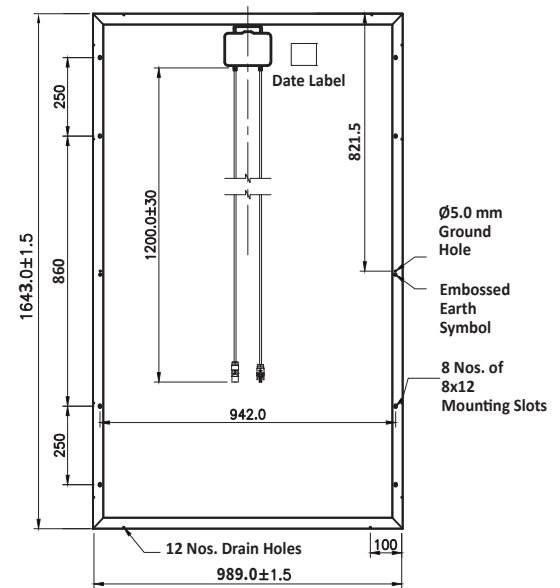
RenewSys DESERV 3M6 60 Cells

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

DESERV 3M6 (Wp)	250	255	260	265	270	275
Rated power (Pmax), Wp	250	255	260	265	270	275
Max power voltage (Vmp), V	30.43	30.62	30.72	30.77	30.95	31.16
Max power current (Imp), A	08.23	08.35	08.48	08.64	08.74	08.84
Open circuit voltage (Voc), V	38.04	38.28	38.40	38.46	38.7	38.97
Short circuit current (Isc), A	08.57	08.70	08.83	09.00	09.13	09.14
Module efficiency (%)	15.38	15.69	16.00	16.30	16.61	16.92

NOCT (Wp)*	250	255	260	265	270	275
Pmax (W)	186.05	189.77	193.50	197.22	200.94	204.66
Max Power Voltage Vmp (V)	27.83	28.00	28.09	28.14	28.30	28.49
Max Power Current Imp (A)	06.70	06.79	06.90	07.03	07.11	07.19
Open Circuit Voltage Voc (V)	35.37	35.59	35.70	35.76	35.98	36.23
Short Circuit Current Isc (A)	07.00	07.11	07.21	07.35	07.46	07.47

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 Coefficient

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

Physical Parameters

No. of cells	60
Module dimensions (mm)	1643 X 989 (± 1.5)
Module thickness (mm)	40
Approximate weight (kg)	18

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 (4 mm available on request)

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

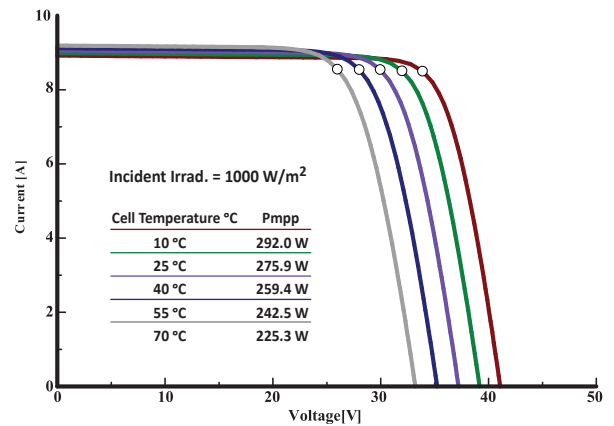
Registered Office

98, Jolly Maker Chambers No.2, 225 Nariman Point, Mumbai - 400 021, Maharashtra, India
Tel.: + 91 22 30040500

Factory

Plot No.6, Survey # 114/P, Srinagar Village, Maheshwaram Mandal, Dist-Rangareddy, Hyderabad - 501 359, Telangana, India Tel.: + 91 40 67303000

I-V Curves: Cell temperature sensitivity chart



I-V Curves: Incident irradiance sensitivity chart

