



3M6 - 140 Wp to 155 Wp Multi Crystalline Silicon Modules

DESERV 3M6 36 Cells PV Module Series consists of PV Modules with power ratings ranging from 140 Wp to 155 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 36 Cells

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

DESERV 3M6 (Wp)	140	145	150	155
Rated power (Pmax), Wp	140	145	150	155
Max power voltage (Vmp), V	17.55	18.10	18.44	18.75
Max power current (Imp), A	07.99	08.04	08.16	08.28
Open circuit voltage (Voc), V	22.21	22.43	22.79	23.05
Short circuit current (Isc), A	08.50	08.55	08.68	08.81
Module efficiency (%)	13.80	14.30	14.79	15.28

NOCT (Wp)*	140	145	150	155
Rated power (Pmax), Wp	104.19	107.91	111.63	115.35
Max power voltage (Vmp), V	16.05	16.55	16.86	17.14
Max power current (Imp), A	06.50	06.54	06.64	06.74
Open circuit voltage (Voc), V	20.65	20.85	21.19	21.43
Short circuit current (Isc), A	06.94	06.98	07.09	07.20

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

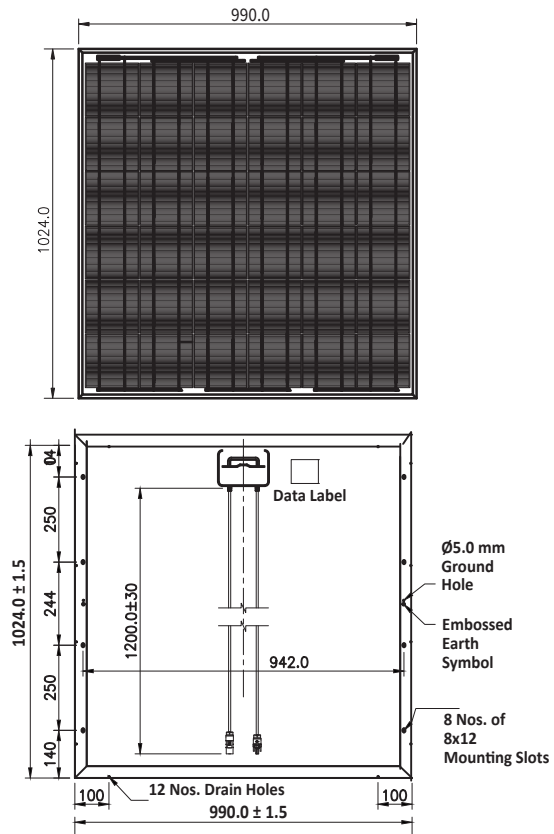
Cell Temperature Coefficient	
Open circuit voltage	- 0.30 % / °C
Short circuit current	+ 0.05 % / °C
Nominal power	- 0.40 % / °C

Physical Parameters	
No. of cells	36
Module dimensions (mm)	1024 X 990 (± 1.5)
Module thickness (mm)	40
Approximate weight (kg)	13

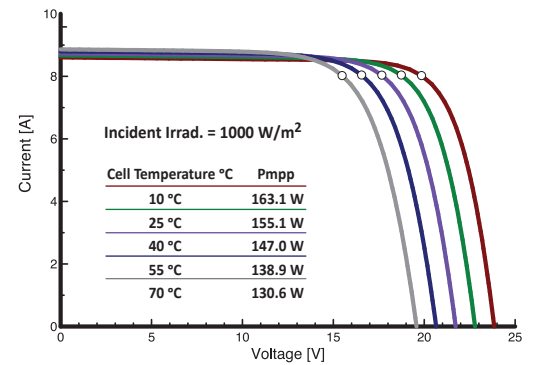
Mechanical Characteristics	
Cable	NO. 12 AWG, 4mm ² , (1.2m Standard)
PV connectors	MC4 Compatible (MC4/TYCO on request)
Frame	Anodized Aluminum Alloy
Junction box	IP67 Junction Box With 4 Rail
Glass	3.2mm Thick Low Iron Tempered

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

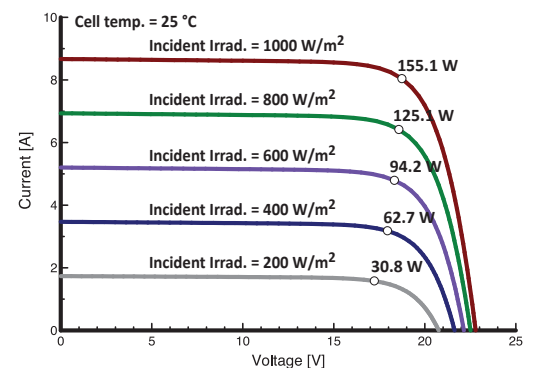
PV Module dimensions (mm)



I-V Curves Cell temperature sensitivity chart



I-V Curves Incident irradiance sensitivity chart



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Factory

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