



**3M6- 140/145/150/155**

DESERV 3M6 Series consists of PV Modules with power ratings ranging from 140 Wp to 155 Wp. The high performance Multi crystalline Silicon are designed for on-grid as well as off-grid applications.

## KEY FEATURES



Made in India



Positive power tolerance



Highly reliable Anti- reflective coated glass



Windspeed - 2400 Pa  
Snowload - 5400 Pa



IP67 Junction box

ISO 9001:2008/ Quality management system



1000 V V<sub>dc</sub>



PID resistant

25  
YEARS

Limited power output warranty

10  
YEARS

Product warranty



IEC Certified - 61215, 61730, TS 62804

IEC 61701 (Salt mist corrosion resistant- Severity 6)

IEC 62716 (Ammonia corrosion resistant)

UL Certified 1703

# COMMUNICA

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**Performance under standard test conditions  
(1000W/m<sup>2</sup> AM 1.5, 25°C)**

	RENEW-140	RENEW-145	RENEW-150	RENEW-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	07.98	08.03	08.15	08.27
Open circuit voltage (Voc), V	22.21	22.43	22.79	23.05
Short circuit current (Isc), A	08.49	08.54	08.67	08.80
Module efficiency (%)	13.80	14.30	14.79	15.29

**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

**Temperature Coefficients**

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

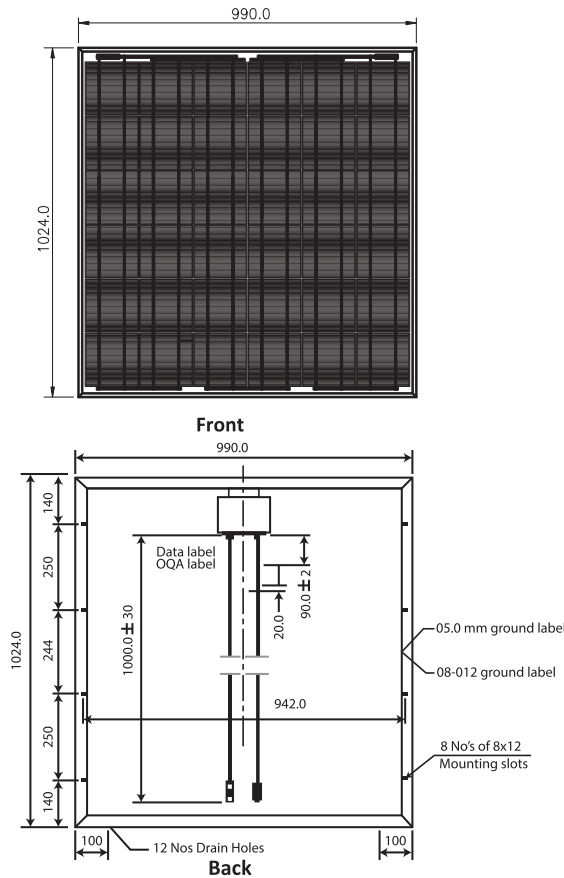
**Physical Parameters**

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

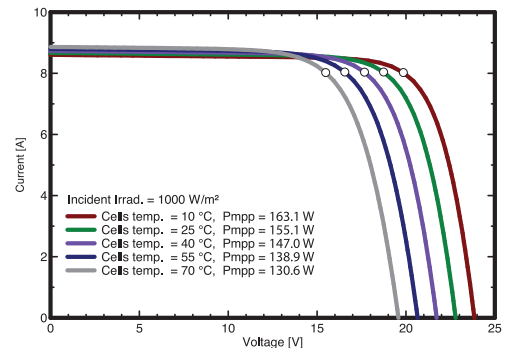
**Mechanical Characteristics**

Cable	NO. 12 AWG, 4mm <sup>2</sup>
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

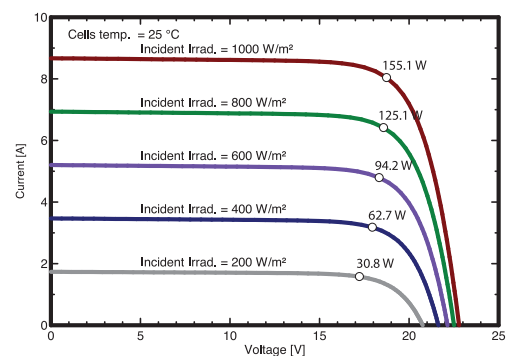
**36 Cell PV Solar Module Dimensions**



**PV module: RenewSys, RENEW-155**



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Module image for representation purpose only. Due to continuous improvement product specification may change without notice.