



Mono Crystalline Silicon Modules

C144 - 355Wp & 380Wp

DESERV C144 Series is offered with power ratings of 355 Wp & 380 Wp.

These high performance Galactic-3 Series, Mono-Crystalline Silicon Modules 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



1000 Vdc



PID resistant

25
YEARS

Limited power output warranty

10
YEARS

Product warranty



IEC Compliant

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 C144 Galactic-3

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

DESERV C144 (Wp)	355	380
Rated power (Pmax), Wp	355	380
Max power voltage (Vmp), V	38.75	39.40
Max power current (Imp), A	09.20	09.70
Open circuit voltage (Voc), V	45.85	46.70
Short circuit current (Isc), A	09.73	10.08
Module efficiency (%)	17.94	19.20

NOCT (Wp)*	355	380
Pmax (W)	264.20	282.80
Max Power Voltage Vmp (V)	35.43	36.03
Max Power Current Imp (A)	07.48	07.89
Open Circuit Voltage Voc (V)	42.63	43.42
Short Circuit Current Isc (A)	07.94	08.23

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

	355	380
Open circuit voltage	- 0.323 % / °C	- 0.32 % / °C
Short circuit current	+ 0.047 % / °C	+ 0.05 % / °C
Nominal power	- 0.414 % / °C	- 0.37 % / °C

Physical Parameters

No. of cells	144
Module dimensions (mm)	1021 x 1938 (± 1.5)
Module thickness (mm)	40
Approximate weight (kg)	21.5

Mechanical Characteristics

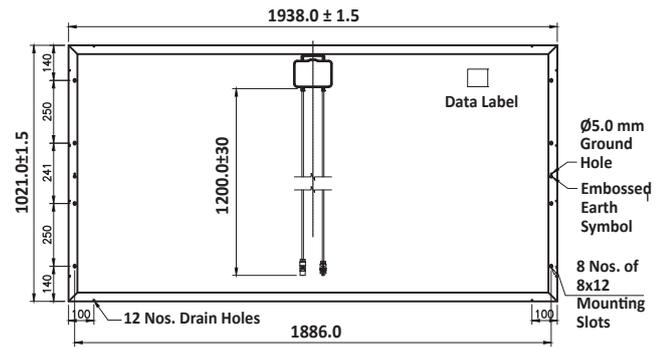
Cable	NO. 12 AWG, 4mm ² (1.2m standard)
PV connectors	MC4 Compatible (MC4/TYCO on request)
Frame	Silver Anodized Aluminum Alloy
Junction box	IP67 Junction Box with 4 Rail/Split Junction Box with 3 bypass diodes
Glass	3.2mm Thick Low Iron Tempered

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

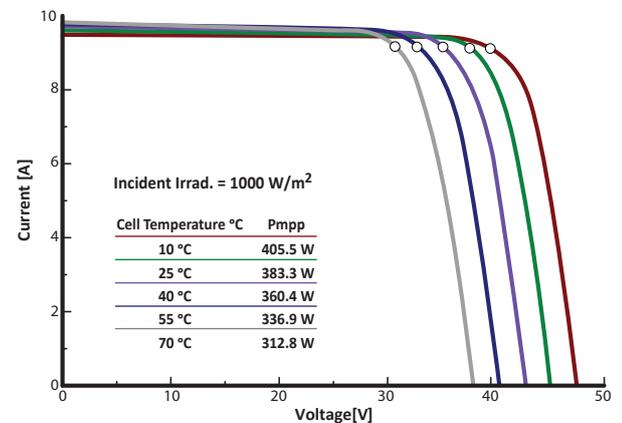
Registered Office

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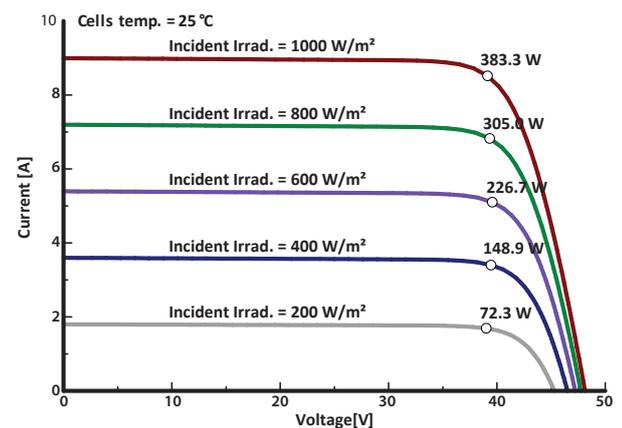
PV Module dimensions (mm)



I-V Curves: Cell temperature sensitivity chart



I-V Curves: Incident irradiance sensitivity chart



Factory

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