



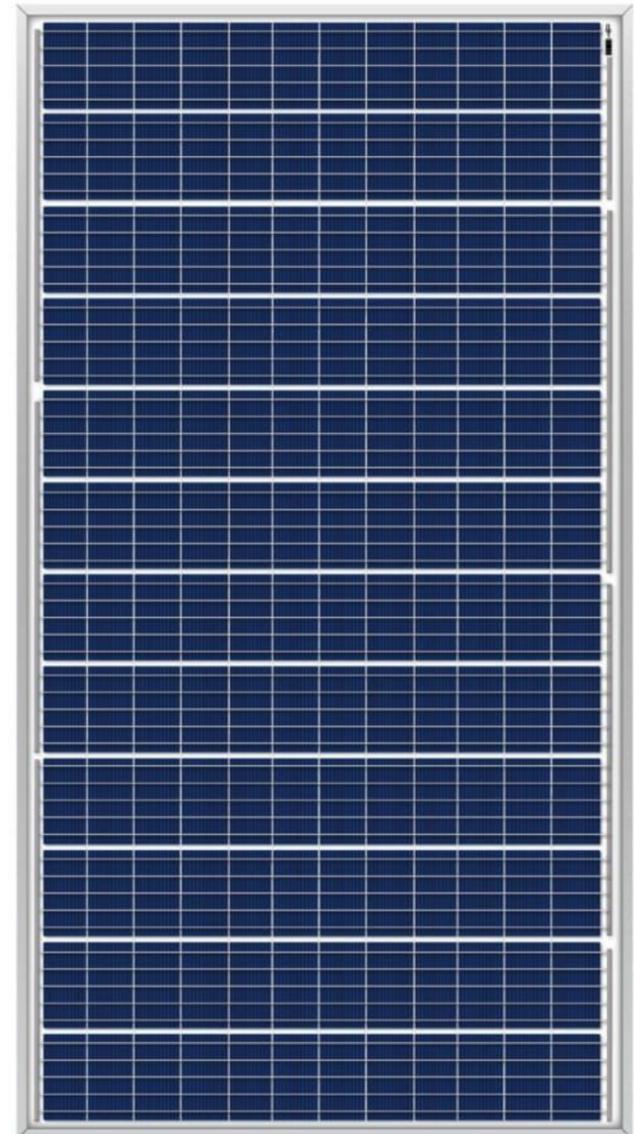
Multi and Multi PERC

C144 - 340Wp & 365Wp

GALACTIC SERIES 2

DESERV C144 Series is offered with power ratings of 340 Wp & 365 Wp (PERC Module).

These high performance Galactic-2 Series, Multi-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



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 C144-340	DESERV C144-365
Rated power (Pmax), Wp	340	365
Max power voltage (Vmp), V	37.65	38.97
Max power current (Imp), A	9.05	9.43
Open circuit voltage (Voc), V	45.80	46.50
Short circuit current (Isc), A	9.54	9.86
Module efficiency (%)	17.22	18.48

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	- 0.308 % / °C	- 0.32 % / °C
Short circuit current	+ 0.057 % / °C	+ 0.05 % / °C
Nominal power	- 0.406 % / °C	- 0.37 % / °C

Physical Parameters

No. of cells	144
Module dimensions (mm)	1021X1934 (± 1.5)
Module thickness (mm)	40
Approximate weight (kg)	21.5

Mechanical Characteristics

Cable	NO. 12 AWG, 4mm ² (1.2 m standard)
PV connectors	MC4/MC4 (Compatible)/TYCO
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	DESERV C144-340	DESERV C144-365
Pmax (W)	253.04	271.64
Max Power Voltage Vmp (V)	34.43	35.64
Max Power Current Imp (A)	7.37	7.68
Open Circuit Voltage Voc (V)	42.59	43.24
Short Circuit Current Isc (A)	7.79	8.06

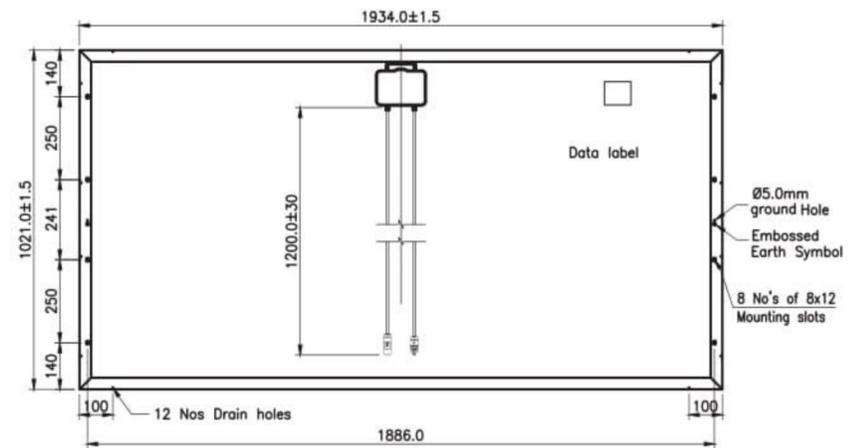
Registered Office

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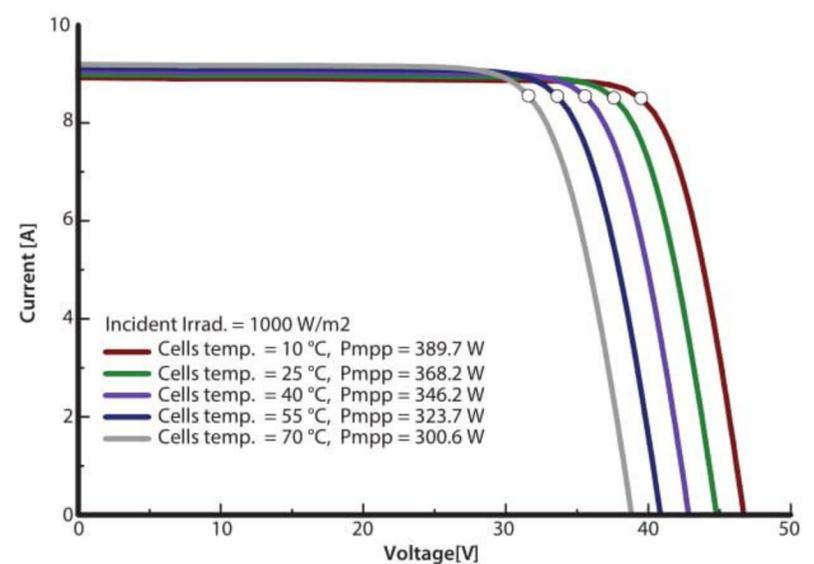
Factory

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RenewSys DESERV C144 Galactic-2: 144 Cells Solar PV Module dimensions (mm)



RenewSys DESERV C144 Galactic-2: I-V Curves Cell temperature sensitivity chart



RenewSys DESERV C144 Galactic-2: I-V Curves Incident irradiance sensitivity chart

