



Mono Crystalline Silicon Modules

3S6 - 280 Wp to 300 Wp

DESERV 3S6 - 60 cells, Photovoltaic Mono Module Series is offered with power ratings ranging from 280 Wp to 300 Wp. These high performance 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 V_{dc}



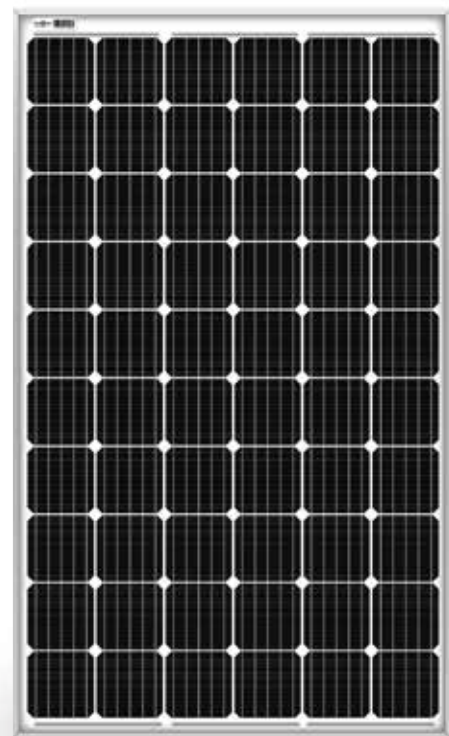
PID resistant



Limited power output warranty



Product warranty



IEC Certified - 61215, 61730

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

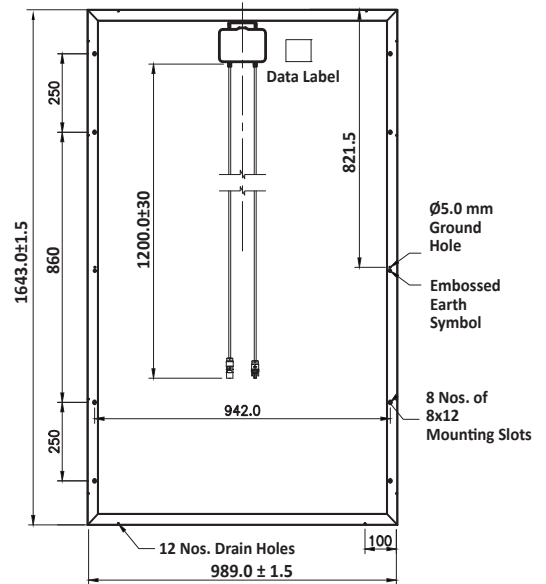
RenewSys DESERV 3S6 60 Cells

PV Module dimensions (mm)

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

DESERV 3S6 (Wp)	280	285	290	295	300
Rated power (Pmax), Wp	280	285	290	295	300
Open circuit voltage (Voc), V	39.1	39.42	39.62	39.65	39.8
Short circuit current (Isc), A	09.43	09.50	09.56	09.68	09.71
Max power voltage (Vmp), V	32.70	32.80	32.85	33.05	33.40
Max power current (Imp), A	08.60	08.71	08.85	08.94	09.00
Module efficiency (%)	16.85	17.15	17.45	17.75	18.05

NOCT (Wp)*	280	285	290	295	300
Pmax (W)	208.38	212.11	215.83	219.54	223.26
Max Power Voltage Vmp (V)	29.90	29.99	30.04	30.22	30.54
Max Power Current Imp (A)	07.00	07.09	07.20	07.27	07.32
Open Circuit Voltage Voc (V)	36.36	36.65	36.83	36.86	37.00
Short Circuit Current Isc (A)	07.70	07.76	07.81	07.91	07.93



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

Open circuit voltage	-0.32 % / °C
Short circuit current	+0.049 % / °C
Nominal power	-0.41 % / °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

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

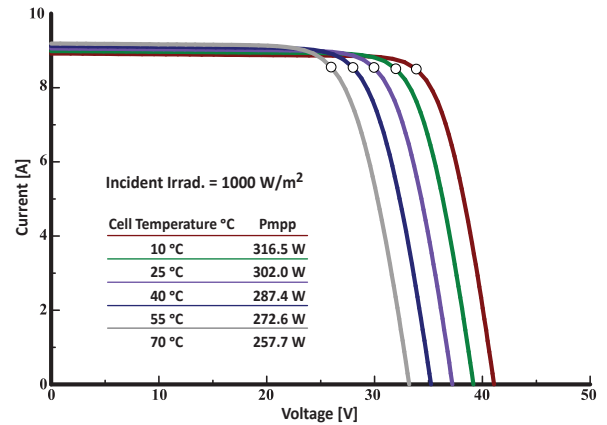
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Factory

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I-V Curves Cell temperature sensitivity chart



I-V Curves Incident irradiance sensitivity chart

