

Mono Crystalline Silicon Modules

DESERV™

3S6- 275/280/285/290/295/300

DESERV 3S6 - 60 cells, Photovoltaic Mono Module Series is offered with power ratings ranging from 275 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 V_{dc}



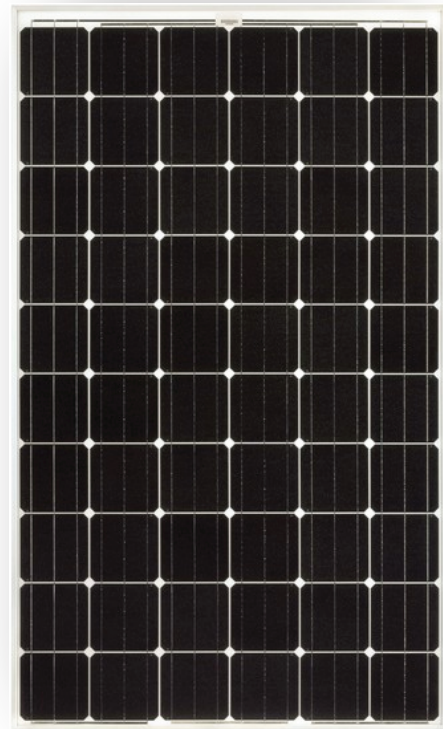
PID resistant



Limited power output warranty



Product warranty



Independently Audited by



IEC Certified - 61215, 61730



CONSERV®
E 360 - POE
Encapsulant

**Performance under standard test conditions
(1000W/m² AM 1.5, 25°C)**

	DESERV 3S6 - 275	DESERV 3S6 - 280	DESERV 3S6 - 285	DESERV 3S6 - 290	DESERV 3S6 - 295	DESERV 3S6 - 300
Rated power (Pmax), Wp	275	280	285	290	295	300
Open circuit voltage (Voc), V	38.9	39.1	39.42	39.62	39.65	39.8
Short circuit current (Isc), A	9.31	9.42	9.49	9.55	9.67	9.7
Max power voltage (Vmp), V	32.5	32.7	32.8	32.85	33.05	33.4
Max power current (Imp), A	8.48	8.59	8.70	8.84	8.93	8.99
Module efficiency (%)	16.94	17.25	17.55	17.86	18.17	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	- 0.32 % / °C
Short circuit current	+ 0.049 % / °C
Nominal power	- 0.41 % / °C

Physical Parameters

No. of cells	60
Module dimensions (mm)	1640 X 987 or 990
Module thickness (mm)	40
Approximate weight (kg)	18

Mechanical Characteristics

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

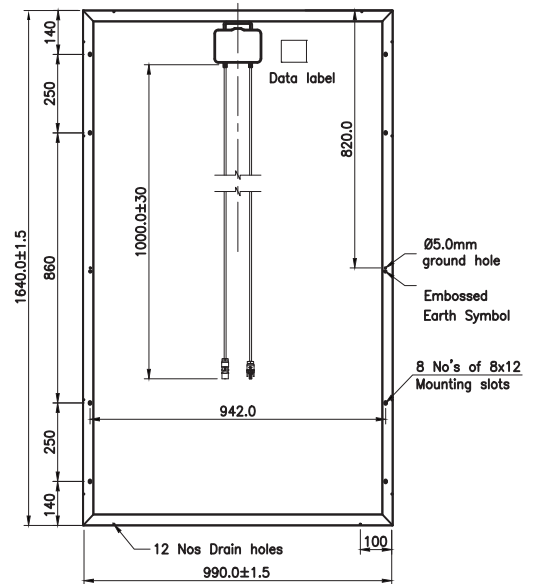
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	275 Wp	280 Wp	285 Wp	290 Wp	295 Wp	300 Wp
Rated power (Pmax), Wp	204.66	208.38	212.11	215.83	219.55	223.27
Open circuit voltage (Voc), V	29.72	29.91	30.00	30.04	30.23	30.55
Short circuit current (Isc), A	6.90	6.99	7.08	7.20	7.27	7.32
Max power voltage (Vmp), V	36.17	36.36	36.65	36.84	36.87	37.01
Max power current (Imp), A	7.61	7.70	7.75	7.80	7.90	7.92

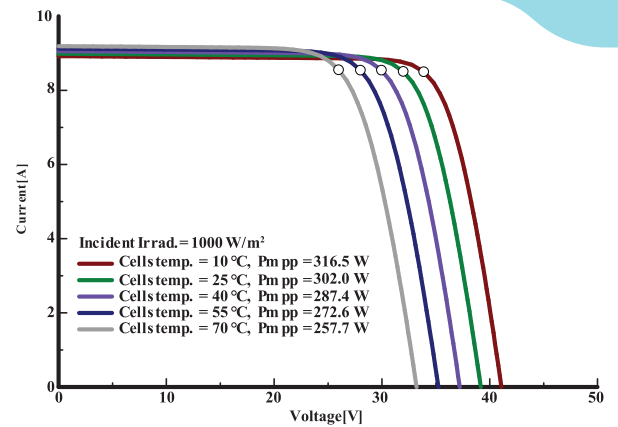
Registered Office

Unit 4, Stuart 2 Business Park, 4 Hilda Avenue, Hennospark, Centurion, 0046

sales@drivedynamics.co.za | drivedynamics.co.za



DESERV 3S6 - 300 Wp



DESERV 3S6 - 300 Wp

