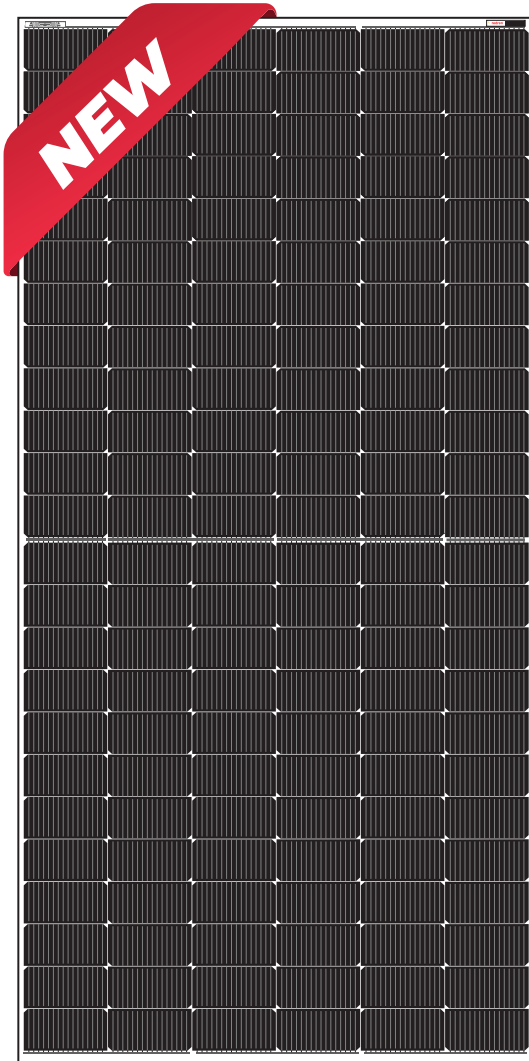




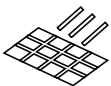
New ***Steorra Pro*** **N-Type TOPCon** Solar PV Module



High Power Generation



570Wp To 640Wp



PID Free



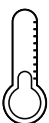
Efficiency - up to **23.23%**



Better shading
tolerance



High Mechanical Load
Bearing Strength



Excellent Temperature
Performance



Advanced Technology
MBB-Multi Bus-bar (16BB)

Steorra Pro Series

N-Type TOPCon PV Module

(DUAL GLASS)



Electrical Parameters at STC

Model Name	Pmax(W)	Vmp (V)	Imp (A)	Isc (A)	Voc (V)	Module Eff. (%)
RS-M10TC-144-600	600	44.83	13.39	13.73	51.96	23.23
RS-M10TC-144-595	595	44.68	13.33	13.67	51.82	23.03
RS-M10TC-144-590	590	44.54	13.27	13.61	51.68	22.84
RS-M10TC-144-585	585	44.32	13.21	13.55	51.53	22.65
RS-M10TC-144-580	580	44.18	13.15	13.49	51.39	22.45
RS-M10TC-144-575	575	44.01	13.09	13.43	51.24	22.26
RS-M10TC-144-570	570	43.81	13.03	13.37	51.10	22.07

*Under Standard Test Condition (STC) of irradiance of 1000W/m², spectrum AM 1.5 and cell temperature of 25°C, Except Pmax, all other parameters have a tolerance of ± 3%

Rear Side Power Gain (Pmax)

Model Name	5% Gain	10% Gain	15% Gain	20% Gain	25% Gain
RS-M10TC-144-600	630.00	660.00	690.00	720.00	750.00
RS-M10TC-144-595	624.75	654.50	684.25	714.00	743.75
RS-M10TC-144-590	619.50	649.00	678.50	708.00	737.50
RS-M10TC-144-585	614.25	643.50	672.75	702.00	731.25
RS-M10TC-144-580	609.00	638.00	667.00	696.00	725.00
RS-M10TC-144-575	603.75	632.50	661.25	690.00	718.75
RS-M10TC-144-570	598.50	627.00	655.50	684.00	712.50

Bifacial output back side power gain @ STC* (Bifaciality Factor ± 5%)

*Power gain from rear side depends upon the structure height, design & ground reflectance.

Mechanical Parameters

Dimensions	2278(L) X 1134 (W) X 30 (T) ±2MM
Weight	32.5 ± 1 kgs
Cell	144 Cells, N-Type Topcon Cell Technology
Front Cover	2.0 MM ARC High Transmission Tempered Glass
Rear Cover	2.0 MM, Heat Strengthened Glass
Encapsulate	PID Free & UV Resistant
Frame Material	Anodized Hi Grade Aluminium Alloy Profile
Junction Box	IP 68, Split JB, Three Bypass Diodes
Connector	IP 68 Rated / MC4 Compatible
Cable cross - section	4 mm ² Solar Cable "can be customization option"
Mechanical Load	Snow load 5400 Pa, Wind load 2400 Pa

Temperature Parameters

Temperature Co-efficient of Pmax	- 0.31 % / °C
Temperature Co-efficient of Voc	- 0.21 % / °C
Temperature Co-efficient of Isc	+ 0.03 % / °C
Nominal Module Operating Temperature oC	45 ± 2 °C
Operating Temperature range oC	- 40 to + 85 °C

Product Safety Ratings

Maximum System Operating Voltage	1500 V
Maximum Over Current Protecting Rating	30 A
Application Class	Class A
Electrical Safety Class	Class II
Fire Rating	Class C

Packing Details

Quantity / Pallet	28/31 Nos
Pallets / Container (20'HQ)	10 Nos
Quantity / Container	280/310 Nos
Pallets / Container (40'HQ)	20 Nos
Quantity / Container	560/620 Nos

*Certificates

ISO 9001:2015
ISO 140001:2015
IS 14286:2010/IEC 61215:2005
IS/IEC 61730-1 & 2:2004
IEC 62804-1:2015
IEC 61701:2020
IEC 62716:2013 / IS 16664:2018
IEC 61853-1&2

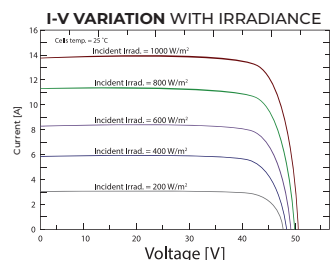
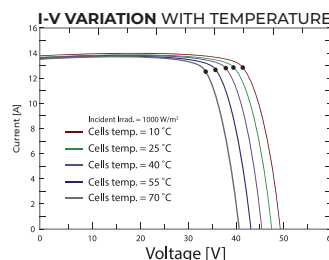
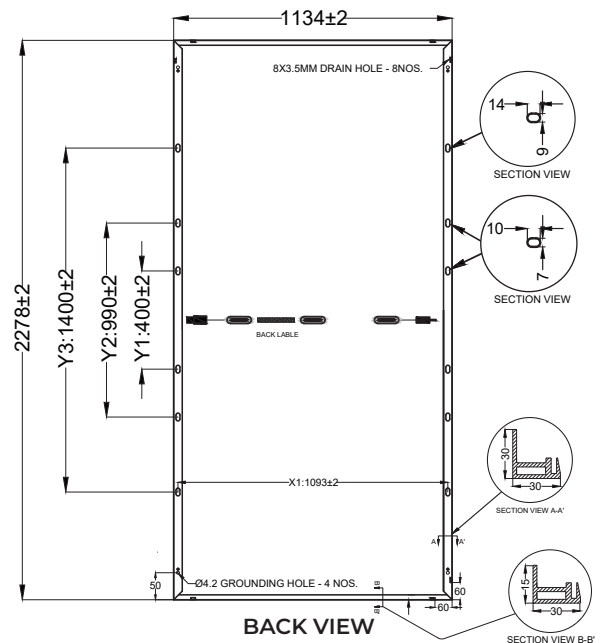
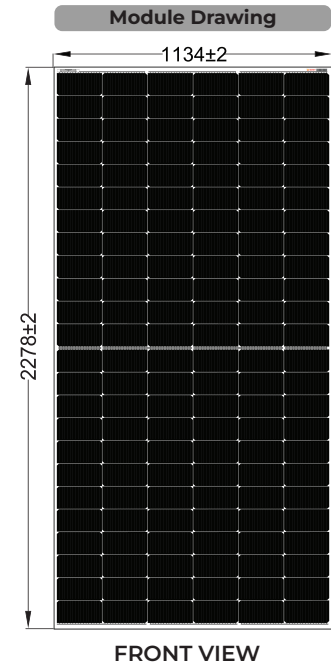
Warranty**

Product Warranty**	12 Years
Performance Warranty**	30 Years

1st YEAR DEGRADATION 1.0%

YEAR 2-30 POWER DEGRADATION 0.40%

The aforesaid datasheet only provides the general information of Redren Solar PV Modules, due to the on-going innovation and improvement, specification included in this datasheet are subject to change without notice. Redren Reserves the rights of final interpretation and revision datasheet. additional power gain of bi-facial solar PV modules depends on the available reflective medium and site condition.



*Irradiance of 1000W / m², spectrum AM of 1.5 & cell temperature of 25°C

Warranty** Please read Redren Solar warranty documents thoroughly.

*Few Certification are in process

REDREN ENERGY PVT. LTD.

Survey No. 154/1&2, national Highway No. 27, Opp. Rangpar Bus Stop, Village-Jalida, Tal. Wankaner, Dist. Morbi - 363621 (Gujarat) INDIA.
Ph.: 9925 9925 52 | E-mail: info@redren.in | Web:www.redren.in

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