

Technical Details for RPLUS Series SPV Modules

Electrical Parameters at STC.

MODEL NO.	RPLUS 385	RPLUS 390	RPLUS 395	RPLUS 400
Nominal Maximum Power P(max)	385	390	395	400
Voltage at Max. Power Vmp(V)	39.8	40.08	40.27	40.46
Current at Max. Power Imp(A)	9.69	9.73	9.82	9.89
Open Circuit Voltage - Voc(V)	48.6	48.8	49.07	49.29
Short Circuit Current - Isc(A)	9.92	10	10.07	10.15
Module Efficiency (%)	19.3	19.6	19.8	20

* Under Standard Test Conditions (STC) of irradiance of 1000W/m², spectrum AM 1.5 and cell temperature of 25°C.

Electrical Parameters at NOCT.

MODEL NO.	RPLUS385	RPLUS 390	RPLUS 395	RPLUS 400
Nominal Maximum Power P(max)	290.7	295.6	300.2	306.1
Voltage at Max. Power Vmp(V)	36.85	37.11	37.29	37.46
Current at Max. Power Imp(A)	7.89	7.97	8.05	8.18
Open Circuit Voltage - Voc(V)	45.05	45.24	45.48	45.71
Short Circuit Current - Isc(A)	7.97	8.03	8.08	8.14

Mechanical Parameters

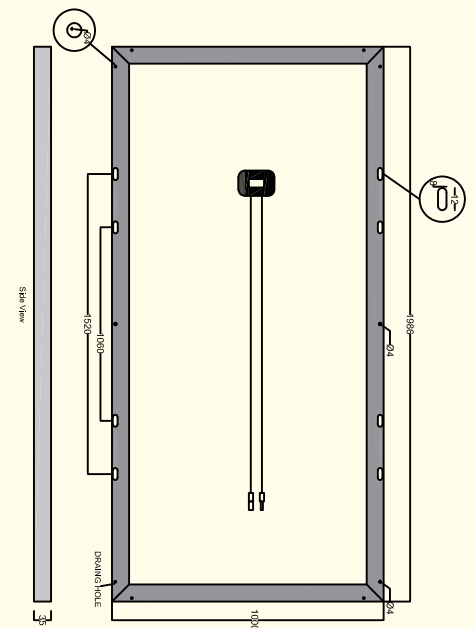
Dimensions:	1986x1000x35 mm
Cell:	72 Nos., 5BB Mono PERC
Weight:	22 Kg
Front Cover:	ARC coated Hi Transmission Tempered Glass
Frame Material	Anodized Aluminium Alloy
J Box:	IP 68
Connector:	MC4
Module per Pallet:	28 Nos.
Module Per Container(40 HQ)	600 Nos.

Temperature Parameters

Temperature Co-efficient of Voltage Pmax	1-0.3676 % / °C
Temperature Co-efficient of Voltage Voc	1-0.2726 % / °C
Temperature Co-efficient of Voltage Isc	1-0.0537 % / °C
Nominal Module Operating Temperature °C	47 °C
Operating Temperature Range °C	-40 to +85

Product Safety Ratings

Maximum System Operating Voltage	1500 V
Maximum Over Current Protecting Rating	20A
Application Class	Class A
Safety Class	Class II



*** 10 Years**
Product
Warranty

*** 25 Years**
Power
Output
Warranty

The aforesaid datasheet only provides the general information on Redren Solar PV Modules, due to the on-going innovation and improvement Specifications included in this datasheet are subject to change without notice. Please Confirm Your Exact Requirement with the Company While Placing Your Order. Redren Reserves the rights of final interpretation and revision of datasheet. Version: May 2019-03-01. *Terms & condition apply. Refer Redren Solar Warranty document for terms & condition.



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