



# Certificate of Compliance

**Certificate:** 2706862

**Master Contract:** 260407

**Project:** 70214732

**Date Issued:** 2019-02-21

**Issued to:** REC Solar PTE. LTD.  
20 Tuas South Avenue 14  
Singapore, Singapore 637312  
SINGAPORE

*The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and US Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only*



**Issued by:** Sean Jiang  
Sean Jiang

## **PRODUCTS**

CLASS - C531110 - POWER SUPPLIES-Photovoltaic Modules and Panels

CLASS - C531190 - POWER SUPPLIES-Photovoltaic Modules and Panels - Certified to US Standards

Photovoltaic Modules with maximum system voltage of 600 V dc or 1000 V dc or 1500 V dc, and Type 1 or Type 2 module fire performance.

1. Model series RECxxx (where xxx is the power output from 214 W to 285 W), followed by PE, PE BLK or PE Z-Link

### **Electrical Ratings:**

Model	Open Circuit Voltage at STC, (Vdc)	Rated Voltage at STC, (Vdc)	Rated Current at STC, (Adc)	Short Circuit Current at STC, (Adc)	Rated Maximum Power at STC, (Watts)
REC214PE series	36.2	28.2	7.60	8.10	214
REC215PE series	36.3	28.3	7.60	8.10	215
REC220PE series	35.9	28.6	7.71	8.26	220
REC225PE series	36.2	29.2	7.87	8.48	225
REC230PE series	36.4	29.2	7.98	8.59	230
REC235PE series	36.6	29.5	8.06	8.66	235
REC240PE series	36.8	29.7	8.17	8.75	240



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Model	Open Circuit Voltage at STC, (Vdc)	Rated Voltage at STC, (Vdc)	Rated Current at STC, (Adc)	Short Circuit Current at STC, (Adc)	Rated Maximum Power at STC, (Watts)
REC245PE series	37.1	30.1	8.23	8.80	245
REC250PE series	37.4	30.2	8.30	8.86	250
REC255PE series	37.6	30.5	8.42	8.95	255
REC260PE series	37.8	30.7	8.50	9.01	260
REC265PE series	38.1	30.9	8.58	9.08	265
REC270PE series	38.4	31.3	8.66	9.18	270
REC275PE series	38.7	31.5	8.74	9.25	275
REC280PE series	38.9	31.7	8.85	9.35	280
REC285PE series	39.1	31.9	8.95	9.45	285

2. Model series RECxxx (where xxx is the power output from 245W to 260W), followed by PE BLK2

Electrical Ratings:

Model	Open Circuit Voltage at STC, (Vdc)	Rated Voltage at STC, (Vdc)	Rated Current at STC, (Adc)	Short Circuit Current at STC, (Adc)	Rated Maximum Power at STC, (Watts)
REC245PE BLK2 series	37.3	30.5	8.04	8.70	245
REC250PE BLK2 series	37.5	30.6	8.18	8.76	250
REC255PE BLK2 series	37.7	30.7	8.32	8.83	255
REC260PE BLK2 series	37.9	30.8	8.47	8.88	260

3. Model series RECxxx (where xxx is the power output from 245 W to 270 W), followed by PE Z-LINK-S

Electrical Ratings:

Model	Open Circuit Voltage at STC, (Vdc)	Rated Voltage at STC, (Vdc)	Rated Current at STC, (Adc)	Short Circuit Current at STC, (Adc)	Rated Maximum Power at STC, (Watts)
REC245PE Z-Link-S	37.2	29.8	8.23	8.90	245
REC250PE Z-Link-S	37.5	30.1	8.31	8.90	250
REC255PE Z-Link-S	37.6	30.8	8.28	8.76	255
REC260PE Z-Link-S	38.3	31.0	8.39	9.09	260
REC265PE Z-Link-S	38.3	31.0	8.55	9.26	265
REC270PE Z-Link-S	38.3	31.3	8.71	9.43	270

4. Model series RECxxx (where xxx is the power output from 285 W to 325 W), followed by PE 72, PE 72 BLK, PE 72 BLK2, PE 72 XV

Electrical Ratings:

Model	Open Circuit Voltage at STC, (Vdc)	Rated Voltage at STC, (Vdc)	Rated Current at STC, (Adc)	Short Circuit Current at STC, (Adc)	Rated Maximum Power at STC, (Watts)
REC285PE 72 series	43.9	35.4	8.06	8.66	285
REC290PE 72 series	44.2	35.6	8.17	8.75	290
REC295PE 72 series	44.5	36.1	8.18	8.71	295
REC300PE 72 series	44.9	36.5	8.22	8.76	300
REC305PE 72 series	45.2	36.9	8.27	8.82	305
REC310PE 72 series	45.5	37.2	8.34	8.88	310
REC315PE 72 series	45.8	37.5	8.40	8.93	315
REC320PE 72 series	46.1	37.9	8.45	8.99	320



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Model	Open Circuit Voltage at STC, (Vdc)	Rated Voltage at STC, (Vdc)	Rated Current at STC, (Adc)	Short Circuit Current at STC, (Adc)	Rated Maximum Power at STC, (Watts)
REC325PE 72 series	46.4	38.5	8.46	9.05	325

5. Model series RECxxx (where xxx is the power output from 260 W to 300 W), followed by TP, TP BLK, TP IQ, TP BLK IQ

Electrical Ratings:

Model	Open Circuit Voltage at STC, (Vdc)	Rated Voltage at STC, (Vdc)	Rated Current at STC, (Adc)	Short Circuit Current at STC, (Adc)	Rated Maximum Power at STC, (Watts)
REC260TP series	38.0	30.8	8.45	9.13	260
REC265TP series	38.3	31.1	8.53	9.21	265
REC270TP series	38.6	31.2	8.66	9.29	270
REC275TP series	38.8	31.4	8.76	9.40	275
REC280TP series	39.2	31.9	8.78	9.44	280
REC285TP series	39.5	32.1	8.90	9.54	285
REC290TP series	39.7	32.3	8.98	9.62	290
REC295TP series	39.9	32.4	9.11	9.70	295
REC300TP series	40.1	32.6	9.21	9.76	300

6. Model series RECxxx (where xxx is the power output from 260 W to 330 W), followed by TP2, TP2 BLK, TP2 IQ, TP2 BLK IQ, TP2S, TP2S BLK, TP2S IQ, TP2S BLK IQ

Electrical Ratings:

Model	Open Circuit Voltage at STC, (Vdc)	Rated Voltage at STC, (Vdc)	Rated Current at STC, (Adc)	Short Circuit Current at STC, (Adc)	Rated Maximum Power at STC, (Watts)
REC260TP2 series	37.5	30.7	8.48	9.18	260
REC265TP2 series	37.8	30.9	8.57	9.21	265
REC270TP2 series	38.0	31.2	8.67	9.29	270
REC275TP2 series	38.2	31.5	8.74	9.52	275
REC280TP2 series	38.4	31.7	8.84	9.61	280
REC285TP2 series	38.6	31.9	8.95	9.66	285
REC290TP2 series	38.8	32.1	9.05	9.71	290
REC295TP2 series	39.0	32.3	9.14	9.76	295
REC300TP2 series	39.2	32.5	9.24	9.82	300
REC305TP2 series	39.4	32.7	9.33	9.89	305
REC310TP2 series	39.6	32.9	9.43	9.94	310
REC315TP2 series	39.8	33.1	9.52	10.00	315
REC320TP2 series	40.0	33.3	9.61	10.06	320
REC325TP2 series	40.2	33.5	9.71	10.11	325
REC330TP2 series	40.4	33.6	9.83	10.17	330

7. Model series RECxxx (where xxx is the power output from 265 W to 290 W), followed by TP2 BLK2, TP BLK2, TP2S BLK2

Electrical Ratings:



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Model	Open Circuit Voltage at STC, (Vdc)	Rated Voltage at STC, (Vdc)	Rated Current at STC, (A <sub>dc</sub> )	Short Circuit Current at STC, (A <sub>dc</sub> )	Rated Maximum Power at STC, (Watts)
REC265TP2 BLK2 series	37.8	31.2	8.50	9.07	265
REC270TP2 BLK2 series	38.0	31.4	8.61	9.18	270
REC275TP2 BLK2 series	38.2	31.6	8.71	9.28	275
REC280TP2 BLK2 series	38.4	31.8	8.82	9.39	280
REC285TP2 BLK2 series	38.6	32.0	8.92	9.49	285
REC290TP2 BLK2 series	38.8	32.2	9.02	9.60	290
REC295TP2 BLK2 series	39.0	32.4	9.12	9.70	295
REC300TP2 BLK2 series	39.2	32.6	9.21	9.80	300

8. Model series RECxxx (where xxx is the power output from 280 W to 295 W), followed by TP2L, TP2L BLK, TP2L BLK2, TP2SL, TP2SL BLK, TP2SL BLK2

Electrical Ratings:

Model	Open Circuit Voltage at STC, (Vdc)	Rated Voltage at STC, (Vdc)	Rated Current at STC, (A <sub>dc</sub> )	Short Circuit Current at STC, (A <sub>dc</sub> )	Rated Maximum Power at STC, (Watts)
REC280TP2Lseries	39.2	31.9	8.78	9.44	280
REC285TP2Lseries	39.5	32.4	8.80	9.50	285
REC290TP2Lseries	39.8	32.7	8.87	9.56	290
REC295TP2Lseries	40.1	33.0	8.94	9.62	295

9. Model series RECxxx (where xxx is the power output from 275 W to 320 W), followed by TP2M, TP2M BLK, TP2SM, TP2SM BLK

Electrical Ratings:

Model	Open Circuit Voltage at STC, (Vdc)	Rated Voltage at STC, (Vdc)	Rated Current at STC, (A <sub>dc</sub> )	Short Circuit Current at STC, (A <sub>dc</sub> )	Rated Maximum Power at STC, (Watts)
REC275TP2M series	38.4	32.0	8.60	9.11	275
REC280TP2M series	38.6	32.2	8.71	9.20	280
REC285TP2M series	38.8	32.4	8.81	9.32	285
REC290TP2M series	39.0	32.6	8.90	9.45	290
REC295TP2M series	39.2	32.8	9.00	9.58	295
REC300TP2M series	39.5	33.0	9.10	9.70	300
REC305TP2M series	39.7	33.3	9.17	9.80	305
REC310TP2M series	39.8	33.5	9.26	9.90	310
REC315TP2M series	39.9	33.7	9.36	10.05	315
REC320TP2M series	40.0	33.9	9.45	10.17	320

10. Model series RECxxx (where xxx is the power output from 270 W to 320 W), followed by TP2M BLK2, TP2SM BLK2

Electrical Ratings:

Model	Open Circuit Voltage at STC, (Vdc)	Rated Voltage at STC, (Vdc)	Rated Current at STC, (A <sub>dc</sub> )	Short Circuit Current at STC, (A <sub>dc</sub> )	Rated Maximum Power at STC, (Watts)
REC270TP2M BLK2 series	38.2	31.8	8.50	9.02	270
REC275TP2M BLK2 series	38.4	32.0	8.60	9.11	275



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REC280TP2M BLK2 series	38.6	32.2	8.71	9.20	280
REC285TP2M BLK2 series	38.8	32.4	8.81	9.32	285
REC290TP2M BLK2 series	39.0	32.6	8.90	9.45	290
REC295TP2M BLK2 series	39.2	32.8	9.00	9.58	295
REC300TP2M BLK2 series	39.5	33.0	9.10	9.70	300
REC305TP2M BLK2 series	39.7	33.3	9.17	9.80	305
REC310TP2M BLK2 series	39.8	33.5	9.26	9.90	310
REC315TP2M BLK2 series	39.9	33.7	9.36	10.05	315
REC320TP2M BLK2 series	40.0	33.9	9.45	10.17	320

11. Model series RECxxx (where xxx is the power output from 320 W to 370 W), followed by PEM 72, PEM 72 BLK  
Electrical Ratings:

Model	Open Circuit Voltage at STC, (Vdc)	Rated Voltage at STC, (Vdc)	Rated Current at STC, (Adc)	Short Circuit Current at STC, (Adc)	Rated Maximum Power At STC, (Watts)
REC320PEM 72	45.4	37.3	8.58	9.27	320
REC325PEM 72	45.6	37.5	8.67	9.32	325
REC330PEM 72	45.8	37.7	8.76	9.36	330
REC335PEM 72	46.0	37.9	8.84	9.40	335
REC340PEM 72	46.8	37.8	9.00	9.60	340
REC345PEM 72	47.1	38.0	9.10	9.65	345
REC350PEM 72	47.2	38.1	9.20	9.73	350
REC355PEM 72	47.4	38.2	9.30	9.78	355
REC360PEM 72	47.6	38.4	9.38	9.84	360
REC365PEM 72	47.9	38.7	9.44	9.90	365
REC370PEM 72	48.2	38.9	9.52	9.97	370

12. Model series RECxxx (where xxx is the power output from 310 W to 370 W), followed by TP 72, TP 72 BLK, TP 72 BLK2, TP2S 72, TP2S 72 BLK, TP2S 72 BLK2

Electrical Ratings:

Model	Open Circuit Voltage at STC, (Vdc)	Rated Voltage at STC, (Vdc)	Rated Current at STC, (Adc)	Short Circuit Current at STC, (Adc)	Rated Maximum Power At STC, (Watts)
REC310TP 72	45.0	36.8	8.43	9.02	310
REC315TP 72	45.3	37.2	8.47	9.07	315
REC320TP 72	45.6	37.6	8.52	9.12	320
REC325TP 72	45.9	38.0	8.56	9.19	325
REC330TP 72	46.0	38.1	8.67	9.44	330
REC335TP 72	46.2	38.3	8.75	9.52	335
REC340TP 72	46.3	38.5	8.84	9.58	340
REC345TP 72	46.5	38.7	8.92	9.64	345
REC350TP 72	46.7	38.9	9.00	9.72	350
REC355TP 72	46.8	39.1	9.09	9.78	355
REC360TP 72	47.0	39.3	9.17	9.85	360
REC365TP 72	47.2	39.5	9.25	9.92	365
REC370TP 72	47.3	39.7	9.33	9.99	370



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13. Model series RECxxx (where xxx is the power output from 260 W to 295 W), followed by PEM, PEM BLK, PE Z-Link-M

**Electrical Ratings:**

Model	Open Circuit Voltage at STC, (Vdc)	Rated Voltage at STC, (Vdc)	Rated Current at STC, (Adc)	Short Circuit Current at STC, (Adc)	Rated Maximum Power At STC, (Watts)
REC260PEM	37.1	30.1	8.64	9.14	260
REC265PEM	37.4	30.5	8.69	9.19	265
REC270PEM	37.7	30.9	8.74	9.24	270
REC275PEM	38.0	31.3	8.79	9.29	275
REC280PEM	38.3	31.7	8.84	9.34	280
REC285PEM	38.6	32.1	8.88	9.39	285
REC290PEM	39.0	32.5	8.93	9.45	290
REC295PEM	39.4	32.9	8.97	9.49	295

14. Model series RECxxx (where xxx is the power output from 260 W to 290 W), followed by PEM BLK2

**Electrical Ratings:**

Model	Open Circuit Voltage at STC, (Vdc)	Rated Voltage at STC, (Vdc)	Rated Current at STC, (Adc)	Short Circuit Current at STC, (Adc)	Rated Maximum Power At STC, (Watts)
REC260PEM BLK2	37.4	30.7	8.47	9.09	260
REC265PEM BLK2	37.7	31.0	8.55	9.14	265
REC270PEM BLK2	38.0	31.3	8.63	9.19	270
REC275PEM BLK2	38.3	31.6	8.71	9.24	275
REC280PEM BLK2	38.6	32.0	8.76	9.29	280
REC285PEM BLK2	39.0	32.4	8.80	9.35	285
REC290PEM BLK2	39.4	32.8	8.85	9.39	290

15. Model series RECxxx (where xxx is the power output from 350 W to 380 W), followed by TP2M 72, TP2M 72 BLK, TP2M 72 BLK2, TP2SM 72, TP2SM 72 BLK, TP2SM 72 BLK2

**Electrical Ratings:**

Model	Open Circuit Voltage at STC, (Vdc)	Rated Voltage at STC, (Vdc)	Rated Current at STC, (ADC)	Short Circuit Current at STC, (Adc)	Rated Maximum Power At STC, (Watts)
REC350TP2M 72	47.0	39.0	8.98	9.55	350
REC355TP2M 72	47.2	39.2	9.06	9.65	355
REC360TP2M 72	47.4	39.4	9.14	9.74	360
REC365TP2M 72	47.6	39.6	9.22	9.82	365
REC370TP2M 72	47.8	39.8	9.30	9.85	370
REC375TP2M 72	48.0	40.1	9.36	9.96	375
REC380TP2M 72	48.2	40.3	9.43	10.05	380

16. Model series RECxxx (where xxx is the power output from 315 W to 340 W), followed by TP2SB 72 XV

**Electrical Ratings:**

Model	Open Circuit Voltage at STC, (Vdc)	Rated Voltage at STC, (Vdc)	Rated Current at STC, (Adc)	Short Circuit Current at STC, (Adc)	Rated Maximum Power At STC, (Watts)
REC315TP2SB 72 XV	45.8	37.1	8.50	9.00	315
REC320TP2SB 72 XV	46.1	37.4	8.56	9.09	320



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Model	Open Circuit Voltage at STC, (Vdc)	Rated Voltage at STC, (Vdc)	Rated Current at STC, (Adc)	Short Circuit Current at STC, (Adc)	Rated Maximum Power At STC, (Watts)
REC325TP2SB 72 XV	46.3	37.8	8.62	9.18	325
REC330TP2SB 72 XV	46.6	38.1	8.67	9.28	330
REC335TP2SB 72 XV	46.8	38.4	8.74	9.36	335
REC340TP2SB 72 XV	47.0	38.6	8.82	9.44	340

17. Model series RECxxxNP or RECxxxNP Black (where xxx is the power output from 295 W to 330 W).

**Electrical Ratings:**

Model	Open Circuit Voltage at STC, (Vdc)	Rated Voltage at STC, (Vdc)	Rated Current at STC, (Adc)	Short Circuit Current at STC, (Adc)	Rated Maximum Power At STC, (Watts)
REC295NP	39.4	32.7	9.04	9.76	295
REC300NP	39.6	33.0	9.10	9.85	300
REC305NP	39.9	33.3	9.17	9.93	305
REC310NP	40.2	33.6	9.24	10.01	310
REC315NP	40.5	33.9	9.31	10.09	315
REC320NP	40.8	34.2	9.37	10.18	320
REC325NP	41.0	34.4	9.46	10.27	325
REC330NP	41.3	34.6	9.55	10.36	330

**Note:**

1. Rated electrical characteristics are within +/-10% of measured values at Standard Test Conditions of 100 mW/cm<sup>2</sup> irradiance, AM 1.5 spectrum, and cell temperature of 25°C.
2. Model numbers may be followed by suffixes US, ECO, EVO, BLK, BLK2, Black, Q2, Q3, XV, Z-LINK, Z-LINK-M, IQ, 2, S, 2L or a combination of these.
3. XV models are for modules used in maximum system of 1500 V dc.
4. Module Fire Performance:
  - a. All models except XV models are Type 1 or 2 Fire performance class rated.
  - b. All XV models are Type 1 Fire performance class rated.

**APPLICABLE REQUIREMENTS**

- ULC/ORD- C1703-01 - Flat-Plate Photovoltaic Modules and Panels
- UL 1703-3<sup>rd</sup> Edition - Flat-Plate Photovoltaic Modules and Panels