

# Product Announcement: P-5 Series Power Optimizers

Dear SolarEdge Customers,

SolarEdge has sold over 1 million P Series power optimizers since the introduction of the Pxxx-2 Series in December 2013. We are happy to announce P-5 Series power optimizers – the new mechanical version of the SolarEdge P Series power optimizers, beginning with the release of the P300-5 model.

P-5 Series power optimizers have the same electrical ratings, functionality and mechanical interface as P-2 Series power optimizers. P-5 and P-2 Series power optimizers are fully interchangeable. P-5 Series power optimizers are rated IP68/NEMA6P.



P-5 and P-2 Series power optimizers are available for the following PV modules:

- P300 power optimizers match 60-cell crystalline PV modules
- P350 power optimizers match 72-cell crystalline PV modules
- P500 power optimizers match 96-cell crystalline PV modules
- P405 power optimizers match high-voltage thin-film PV modules
- P600 power optimizers match 60-cell crystalline PV modules, two modules connected in series for commercial installations
- P700 power optimizers match 72-cell crystalline PV modules, two modules connected in series for commercial installations

## P Series (P-5 and P-2) Specification Highlights

---

SolarEdge Technologies | [www.solaredge.com](http://www.solaredge.com)

<b>USA</b>	3347 Gateway Boulevard, Fremont, CA, 94538
<b>Germany</b>	Werner-Eckert-Straße 6, Munich 81829
<b>Italy</b>	VISMUNDA SRL, Corso Del Popolo 50/A, Treviso
<b>Japan</b>	B-9 Ariake Frontier Building, 3-7-26 Ariake, Koto-Ku, Tokyo 135-0063
<b>Israel</b>	6 HeHarash St. P.O.Box 7349, Neve Neeman, Hod Hasharon 45240
<b>China</b>	City Center, 100 Zunyi Road, Building A, Unit 1204, Shanghai 200051

	P300	P350	P500	P405	P600	P700	
Rated Input DC Power	300	350	500	405	600	700	W
Absolute Maximum Input Voltage (Voc)	48	60	80	125	96	125	Vdc
Maximum Input Short Circuit Current (Isc)	10						Adc
Maximum Efficiency	99.5						%
Weighted Efficiency	98.8						%
Maximum Output Current	15						Adc
Maximum Output Voltage	60			85			Vdc

For full specifications please refer to the datasheets:

- [P300, P350, P500, P405](#)
- [P350I](#)
- [P600, P700](#)

### Date of Change

The P-5 Series SolarEdge power optimizers will gradually replace the P-2 Series power optimizers during Q3/2014. During the transition period, customers that ordered P-2 Series power optimizers may get either P-2 or P-5 Series power optimizers.

### Pricing

Contact SolarEdge for pricing information.

### P-5 Series Part Numbers:

Part Number	Rated Input DC Power @ STC (W)	Maximum Input Voltage (Voc at lowest temp) (V)	Input connectors	Output cable length
<a href="#">P300-5R M4M RS</a>	300	48	MC4	1.0m/3.0ft
<a href="#">P350-5R M4M RM</a>	350	60	MC4	1.2m/3.9ft
<a href="#">P405-5R M4M RM</a>	405	125	MC4	1.2m/3.9ft
<a href="#">P500-5R M4M RM</a>	500	80	MC4	1.2m/3.9ft
<a href="#">P600-5R M4M RM</a>	600	96	MC4	1.2m/3.9ft
<a href="#">P600-5R M4M RL</a>	600	96	MC4	1.8m/5.9ft
<a href="#">P700-5R M4M RL</a>	700	125	MC4	2.1m/6.9ft
<a href="#">P350I-5R M4M RM (with IndOP)</a>	350	60	MC4	1.2m/3.9ft

**Note:** P600 power optimizers can be ordered with two different output cable lengths suitable for portrait and landscape installations.

SolarEdge Technologies | [www.solaredge.com](http://www.solaredge.com)

<b>USA</b>	3347 Gateway Boulevard, Fremont, CA, 94538
<b>Germany</b>	Werner-Eckert-Straße 6, Munich 81829
<b>Italy</b>	VISMUNDA SRL, Corso Del Popolo 50/A, Treviso
<b>Japan</b>	B-9 Ariake Frontier Building, 3-7-26 Ariake, Koto-Ku, Tokyo 135-0063
<b>Israel</b>	6 HeHarash St. P.O.Box 7349, Neve Neeman, Hod Hasharon 45240
<b>China</b>	City Center, 100 Zunyi Road, Building A, Unit 1204, Shanghai 200051