

P300 Compatibility with $\leq 340W$ Solar Module and P600 and P650 Compatibility with $\leq 660W$ Solar Modules

Dear SolarEdge customers,

SolarEdge is constantly expanding its support for higher power PV modules installations. Based on an improved power optimizers' firmware version for power optimizers manufactured from October 1st 2019, coupled with thorough analysis and extensive testing, the following power optimizers: P300, P600 and P650 are now re-qualified for such installations.

SolarEdge's power optimizer P300 can now be used with solar module with rated DC input power of up to 340W, and P600 and P650 can now be used with solar modules up to 2x330W, total of 660W, supporting a wider variety of modules installations.

Proper selection of power optimizers should be done according to the power optimizers' specifications detailed in their datasheet, including: maximum input voltage (@min temp), max input current, and rated input power of the solar modules.

The rated input DC power of the P300 can now be regarded as 340W, and the rated input DC power of the P600 and P650 can now be regarded as 660W. The table below describes the updated selection and design parameters for P300 and P600:

	Rated input DC power* * Rated STC power of the module. Module of up to +5% power tolerance allowed	Max input voltage V_{OC} at lowest temperature	Max short circuit current (I_{sc})
SolarEdge Power Optimizer P300	$\leq 340W$	$\leq 48V$	11A
SolarEdge Power Optimizer P600 and P650	$\leq 660W$	$\leq 96V$	11A

The change is effective immediately for optimizers with manufacturing date after October 1st, 2019 and installed after April 7th 2020 only.

Best Regards,

SolarEdge Product Marketing