

SolarEdge Power Optimizers Inter-Compatibility

Version History

- Version 5 (June 2020) - added P320, P340, P370T, P395, P400, OP400-EV,OP-480, P401, P485, P700, P801, P850, P860, P950 OP300-LV , OP350-LV, OP350-MV, OP600-96.
Deleted P300, P600, P700
Added remark about M2640 and M1600.
Merged Europe and APAC and NAM to a single document
- Version 4 (Oct. 2018) - added P650, P730, P850
- Version 3 (Dec. 2017) - added P505 model and marked P800p and P800s as inter-compatible
- Version 2 (Sept. 2017) - added models: P370, P404, P600, P700, P800p, P800s
- Version 1 (Apr. 2014) - initial version

This technical note specifies inter-compatibility between various models of the P-Series SolarEdge power optimizers, as well as the inter-compatibility of the P-Series power optimizers with previous series of power optimizers (PBxxx and OPxxx).

The term “inter-compatibility” refers exclusively to the installation of power optimizers in the same PV string.

When replacing a power optimizer, the replacement power optimizer does not need to be identical to the replaced power optimizer, but it must be compatible with the other power optimizers in the string.



NOTE

Installing different series and models of power optimizers in the same installation is allowed as long as they are installed in separate PV strings. However, power optimizers that are inter-compatible may be installed in the same PV string.



NOTE

When replacing a power optimizer always verify with the SolarEdge Designer that the power, current and voltage specifications of the PV module are compatible with the replacement power optimizer specifications, please ensure that the module Voc (at minimum ambient temperature) does not exceed the replacement power optimizer’s maximum input voltage.

Refer to the power optimizer datasheet for details.

		P320	P340	P350	P370	P370T	P395	P400	P401	P404	P405	P485	P500	P505	P650	P701	P730	P800p **	P801	P850 ***	P860	P950	
	OP500-IV												✓										
	OP600-96														✓		✓		✓				
PB Series	PB250-AOB	✓	✓	✓	✓		✓	✓	✓				✓										
	PB350-AOB	✓	✓	✓	✓		✓	✓	✓				✓										
	PB350-TFI	✓	✓	✓	✓		✓	✓	✓				✓										
Module Embedded	OP250-LV	✓	✓	✓	✓		✓	✓	✓				✓										
	PB250-CSI	✓	✓	✓	✓		✓	✓															
	OPJ300-LV	✓	✓	✓	✓		✓	✓	✓				✓										

Remarks:

** For P405, P485 and P800p, the same replacement options apply for both the single and dual input versions.

*** P850 replaced P800s; They can be used interchangeably and can be connected in the same string.

M series power optimizers (M2640 and M1600); They can't be used interchangeably and can't be connected with any other power optimizer in the same string.