

SolarEdge Power Optimizers Inter-compatibility - Europe and APAC

Version History

- 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 optimizer does not need to be identical to the replaced optimizer, but it must be compatible with the other 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.

The following compatibility table details the series and models that can be installed in the same PV string, during installation or in case an optimizer is being replaced.

If there is no check mark in a cell, the relevant power optimizers cannot be in the same string.

		P300	P350	P370	P404	P405	P500	P505	P600	P650	P700	P730	P800p	P800s	P850
P Series	P300	✓	✓	✓			✓								
	P350	✓	✓	✓			✓								
	P370	✓	✓	✓			✓								
	P404				✓	✓		✓							
	P405**				✓	✓		✓							
	P500	✓	✓	✓			✓								
	P505				✓	✓		✓							
	P600								✓	✓	✓	✓			
	P650								✓	✓	✓	✓			
	P700								✓	✓	✓	✓			
	P730								✓	✓	✓	✓			
	P800p**												✓	✓	✓
	P800s												✓	✓	✓
	P850												✓	✓	✓
OP Series	OP250-LV	✓	✓	✓			✓								
	OP300-MV	✓	✓*	✓*			✓								
	OP400-MV	✓	✓*	✓*		✓	✓								
	OP400-EV					✓									
	OP480-xx	2x P300													
	OP500-IV	2x P300					✓								
	OP600-96V								✓	✓	✓	✓			
PB Series	PB250-AOB	✓	✓	✓			✓								
	PB350-AOB	✓	✓	✓			✓								
	PB350-TFI	✓	✓	✓			✓								
Module Embedded	PB250-CSI	✓	✓	✓			✓								
	OPJ300-LV	✓	✓	✓			✓								

* In case of replacement, this model can be used only if the PV module max Voc (at minimum ambient temperature) does not exceed the replacement optimizer’s maximum input voltage. Refer to the power optimizer datasheet for details.

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