

SolarEdge Power Optimizers Inter-Compatibility

Version History

- Version 7 (May 2021) – added P375, P601, P605, P960, P1100. Re-added P300, P600, P700
- Version 6 (Sept. 2020) – marked P950 as compatible with P850 and P800p
- 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

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. Ensure that the module Voc (at minimum ambient temperature) does not exceed the replacement power optimizer's maximum input voltage. Use the [SolarEdge Designer](#) to quickly validate electrical compatibility.

Refer to the power optimizer datasheet for details.

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

		P300	P320	P340	P350	P370	P370T	P375	P395	P400	P401	P404	P405	P485	P500	P505	P600	P601	P605	P650	P700	P701	P730	P800p**	P801	P850***	P860	P950	P960	P1100	
P Series	P300	✓	✓	✓	✓	✓		✓	✓	✓	✓				✓																
	P320	✓	✓	✓	✓	✓		✓	✓	✓	✓				✓																
	P340	✓	✓	✓	✓	✓		✓	✓	✓	✓				✓																
	P350	✓	✓	✓	✓	✓		✓	✓	✓	✓				✓																
	P370	✓	✓	✓	✓	✓		✓	✓	✓	✓				✓																
	P370T						✓																								
	P375	✓	✓	✓	✓	✓		✓	✓	✓	✓				✓																
	P395	✓	✓	✓	✓	✓		✓	✓		✓				✓																
	P400	✓	✓	✓	✓	✓		✓		✓					✓																
	P401	✓	✓	✓	✓	✓		✓	✓		✓				✓																
	P404												✓	✓	✓		✓		✓												
	P405 **												✓	✓	✓		✓		✓												
	P485												✓	✓	✓		✓		✓												
	P500	✓	✓	✓	✓	✓		✓	✓	✓	✓				✓																
	P505												✓	✓	✓		✓		✓												
	P600												✓	✓	✓			✓			✓	✓	✓	✓		✓					
	P601												✓	✓	✓		✓		✓												
	P605																			✓											
	P650																	✓			✓	✓	✓	✓		✓					
	P700																	✓			✓	✓	✓	✓		✓					
	P701																	✓			✓	✓	✓	✓		✓					
	P730																	✓			✓	✓	✓	✓		✓					
	P800p **																								✓		✓		✓	✓	✓
	P801																	✓			✓	✓	✓	✓		✓					
	P850 ***																								✓		✓		✓	✓	✓
	P860																										✓				
	P950																								✓		✓		✓	✓	✓
P960																								✓		✓		✓	✓	✓	
P1100																								✓		✓		✓	✓	✓	
	OP250-LV		✓	✓	✓	✓		✓							✓																
	OP300-LV		✓	✓	✓	✓		✓							✓																
	OP300-MV		✓	✓	✓	✓		✓		✓					✓																
	OP350-LV		✓	✓	✓	✓		✓	✓	✓	✓				✓																

		P300	P320	P340	P350	P370	P370T	P375	P395	P400	P401	P404	P405	P485	P500	P505	P600	P601	P605	P650	P700	P701	P730	P800p**	P801	P850 ***	P860	P950	P960	P1100
OP Series	OP350-MV		✓	✓	✓	✓		✓		✓					✓															
	OP400-MV		✓	✓	✓	✓		✓		✓					✓															
	OP400-EV		✓	✓	✓	✓		✓		✓					✓															
	OP480		✓	✓	✓	✓		✓	✓	✓	✓				✓															
	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); cannot be used interchangeably and cannot be connected with any other power optimizer in the same string.