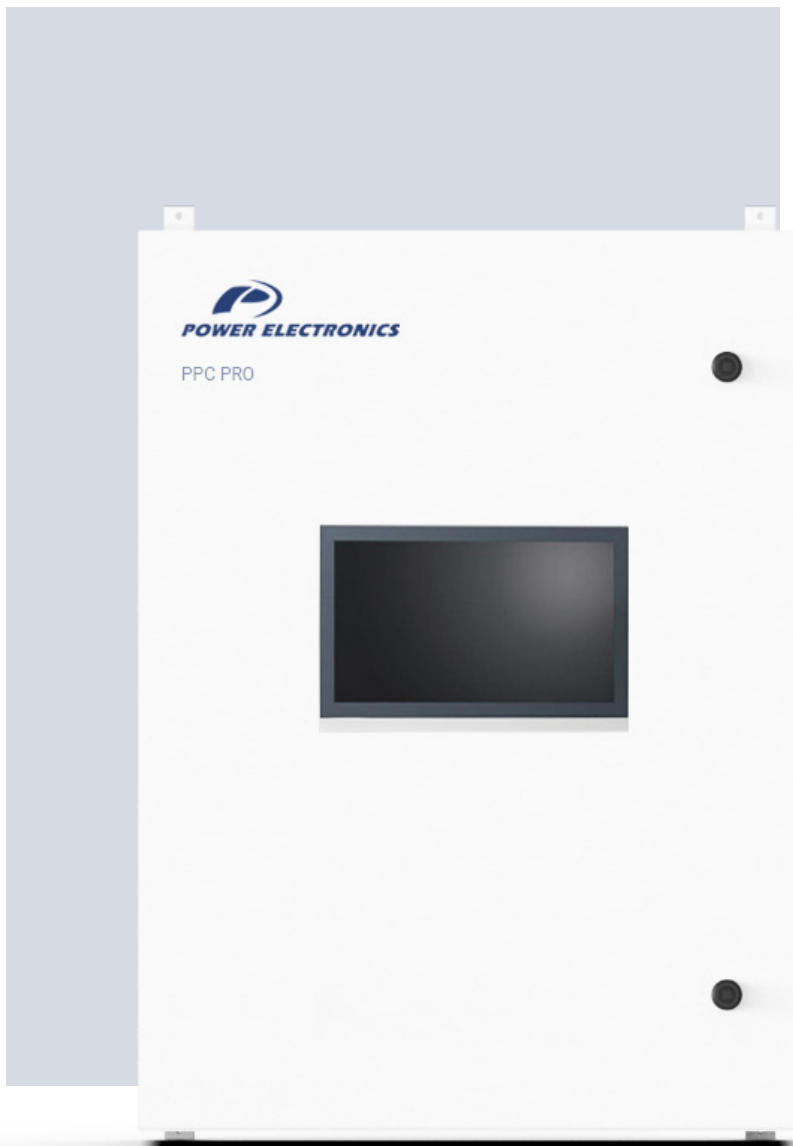


# PPC PRO

The Power Plant Controller is the interface between the grid operator and the inverters, designed to meet the most demanding grid connection requirements.

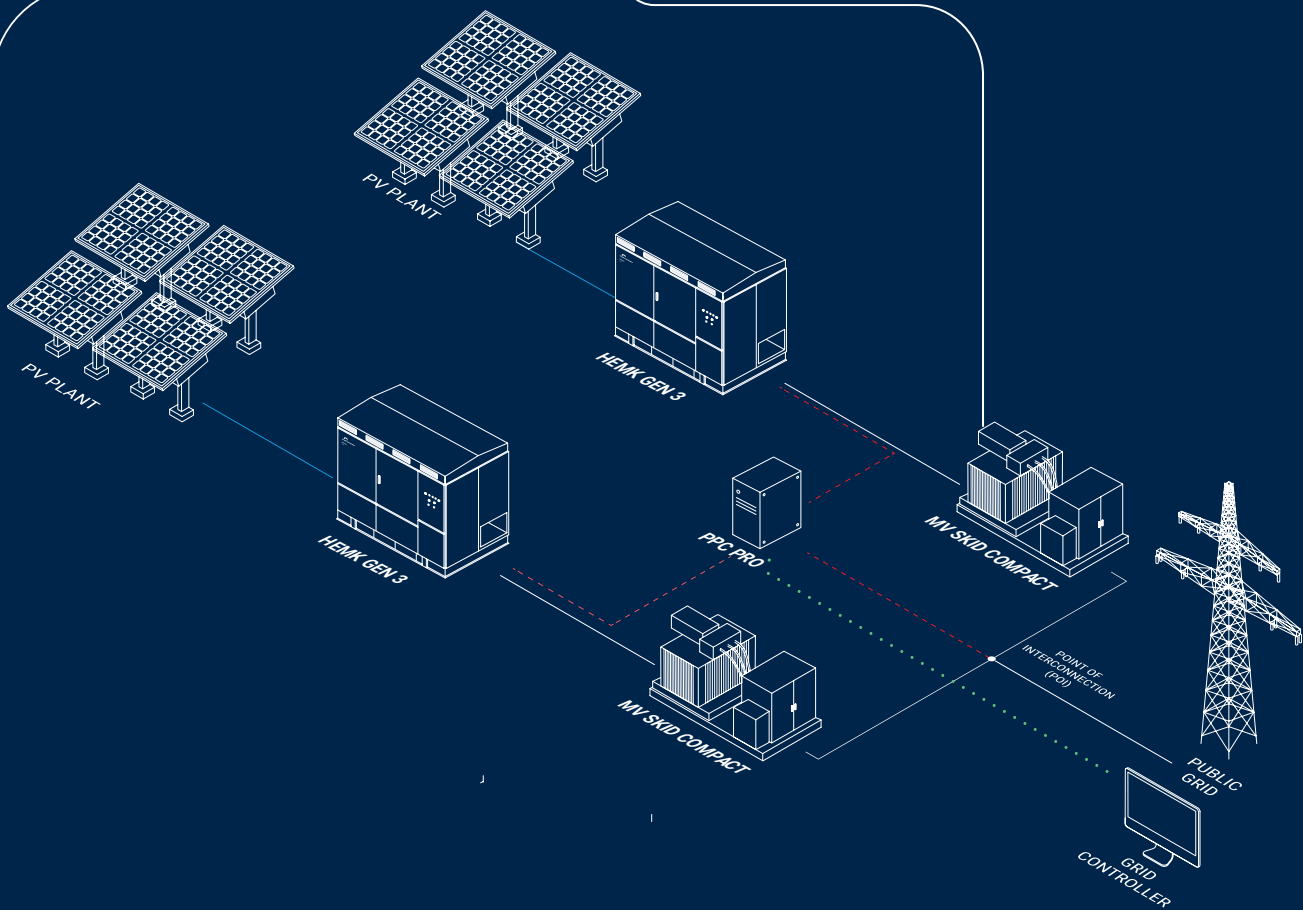
*Regardless of where you are.*



## ● The governor

### Smart Q distribution

This algorithm allows to distribute the reactive power between the inverters depending on the available active power, **maximizing the energy production.**



### O&M diagnosis functions

Reports warning / fault messages and enables user management...

# Common Technical Characteristics

<b>GENERAL DATA</b>	Material	Polycarbonate
	Assembly	Wall or structure mounted
	Flammability	Halogen-free, self-extinguishing enclosure material (UL94-5V).
	Power Supply	80 W. [220/240 Vac (IEC) - 110/115 Vac (UL)]. [110-290 Vdc].
	Compatible inverters	HEM, HEMK, Freemaq Statcom
<b>COMMUNICATIONS</b>	Communication protocols	Modbus TCP. Consult with Power Electronics for other options
	Communication switch	RJ45 by default. Fiber optic depending on the model
<b>ENVIRONMENTAL CONDITIONS</b>	Temperature range	From -20 to +50 C.
	Humidity	From 15 to 95 % (0 to 95 % non-condensing).
	Protection degree	IP54 / NEMA 3
	Pollution degree	Type II
	Maximum altitude	4000 m
<b>CERTIFICATIONS</b>	Marking	CE
<b>FUNCTIONALITIES<sup>1</sup></b>	Active power control	Active power control, frequency response (with /without reserve), ramp rate.
	Reactive power control	Reactive power control, power factor control, voltage control, Q(V)curve, cosphi(P) curve, ramp rate, statcom control, capacitor bank control, negative and positive active power setpoints
	Diagnosis functions	Warning / fault messages, user management, real-time data monitoring, change log.
	Others	Internal measurement, compatibility with power analyzers, SQL data base. Consult Power Electronics for other functionalities
<b>OTHERS</b>	Web server	For local and remote monitoring / control.
	Customizable solution	Flexible solution based on a powerful modular and programmable controller