

PPC PRO

For Solar, Storage & Hybrid Plants.
Maximum Flexibility.
Modular and Programmable.
O&M diagnosis.





MECHANICAL DATA	Material	Polyester
	Installation	Wall or rack mounted
	Flammability	Halogen-free, self-extinguishing enclosure material (UL94-5V)
	Cable entry	Bottom in & out
	Maintenance	Front
	Cooling	Forced ventilation
	Weight ^[1]	34 kg / 75 lbs
ELECTRICAL DATA	Dimensions (H X W X D) ^[1]	641 X 847 X 357 (mm) / 26 x 34 x 14 (inches)
	Maximum consumption	350 W
	AC Voltage input	230 Vac (IEC) [±10%], 120 Vac (UL) [±10%]
	DC Voltage input	120-290 Vdc
	Frequency input:	50/60 Hz
COMMUNICATIONS	Compatible inverters	HEM, HEMK, PCSM, PCSK, Freemaq Statcom
	Communication protocols	Modbus TCP/ ADS for inverter control / DNP3 with Grid Operators. ^[2]
	Communication Switch	6 RJ45 Ports + 2 FO Multi Mode SC connectors
ENVIRONMENTAL CONDITIONS	Temperature range	From -20 to +50°C
	Humidity	From 5 to 95 % (5 to 95 % non-condensing).
	Protection degree	IP 54 / NEMA 3R
	Pollution degree	Type III
	Maximum altitude	3000 m / 9840 ft
CERTIFICATIONS	Marking	CE
	Standards	UL 916
FUNCTIONALITIES ^[3]	Active power control	Open & closed loop active power control, frequency response (with /without reserve), ramp rate. Negative and positive active power setpoints, SoC Balancing (storage applications)
	Reactive power control	Reactive power control, power factor control, voltage control, Q(V) curve, cosphi(P) curve, ramp rate, statcom control, capacitor bank control, night mode, SQD.
	Diagnosis functions	Warning / fault messages real-time data monitoring, plant phasor operation diagrams.
	Others	Internal measurement and compatibility with power analyzers, P/Q plant limitations, hot standby redundancy, controlled plant start, individual inverter control, line drop compensation, communication loss security process.
OTHERS	Web server	For local and remote monitoring / control.
	Customizable solution	Flexible solution based on a powerful modular and programmable controller