



Two units in one: incorporates the P sinewave inverters' advantageous features with those of the PSR solar charge controllers - which offer the opportunity of easy and uncomplicated installation and cabling.

The PC200 (200VA) model possesses the built-in PSR8 solar regulator (8A) whilst the PC400 (400VA) and PC1000 (1000VA) models contain the more powerful PSR20 charger (20A).

Specifications

Type	PC200		PC400		PC1000	
Battery connections						
Nominal voltage U_{nom}	12V	24V	12V	24V	12 V	24 V
Input voltage range U_{in}	10...15V	21...30V	10,5...15V	21...30V	10...15V	20...30V
Max. input current / Fuse	30A	15A / 2x7,5A	60A / 2x30A	30A / 2x15A	120A / 4x30A	80A / 4x20 A
Typical standby consumption with inverter ON	0,15A		0,2A		0,4A	
Typical standby consumption with inverter OFF	3mA		4mA		4mA	
Recommended battery Ah_{min}	40Ah		80Ah		120 Ah	
230V Output						
Output voltage	225V +/-5%		225V +/-5%		225V +/- 5%	
Output frequency	50Hz +/-1%		50Hz +/-1%		50Hz +/-1%	
Output current continuous / peak	0,9 / 2,7A		1,8 / 5,4A		4,5 / 12 A	
Max. continuous power at $\cos \phi > 0,8$	200VA		400VA		1000VA	
Max. peak power at $\cos \phi > 0,8$	600VA		1200VA		2500VA	
Typ. Efficiency (at nom. load power 1000W, $U_{in} = U_{nom}$)	87%	87%	88%	90%	94 %	96 %
Deep Discharge Protection - AC Load						
Advance warning indication	<12,0V	<24,0V	< 12,0V	< 24,0V	<11,0 V	<24,0 V
Switch-off threshold of DDP	10,4V	20,8V	10,4V	20,8V	9,8V	19,6 V
Reset threshold	12,3V	24,6V	12,3V	24,6V	12,0 V	24,0 V
Solar charge controller						
Typ. standby consumption	3mA		4mA		4mA	
Solar module input						
Nominal current	8A		20A		20A	
Float charge limit at $T_u = 25^\circ\text{C}$	13,7V	27,4V	13,7V	27,4V	13,7V	27,4V
Charge limit when Gas-control deactivated at $T_u = 25^\circ\text{C}$	14,1V	28,2V	14,1V	28,2V	14,1V	28,2V
Charge limit when Gas-control active at $T_u = 25^\circ\text{C}$	14,5V	29,0V	14,5V	29,0V	14,5V	29,0V
Temperature compensation with / without Gas-control	-3mV / -4mV		-3mV / -4mV		-3mV / -4mV	
Deep Discharge Protection - DC Load						
Nominal current	8A		20A		20A	
DDP Load disconnection	11,1V	22,2V	11,0V	22,0V	11,0V	22,0V
Reset threshold	12,6V	25,2V	12,6V	25,2V	12,6V	25,2V
Other data						
Operating temperature	0...+ 40°C		0...+ 40°C		0...+ 40 °C	
Dimensions (mm)	190 x 190 x 80		205x250x105		283x350x115	
Weight	1,6kg		3,0kg		5,5 kg	
EMC Directive	EN55011:03.91; EN50082-1:01.92					
Low Voltage Directive	EN60335-1:09.94+A11:05.95					