



Light weight, reliability and economical price are the main characteristics for this high-quality sinewave inverter series. The output waveform is highly sinusoidal. The P inverters are based on switchmode technology at high frequency.

The units are equipped with the most up-to-date protecting functions for the inverter itself and also protect the battery from deep discharging and overcharging. The LED indications show actual status or possible faults, which can be easily determined using the fault table.

In able to start also non-resistive loads easily, the P inverter series are equipped with soft-start function. The 200VA units are convection-cooled, the 400VA units and above have cooling fans which are electronically controlled. This feature also contributes to a very low stand-by current consumption.

Specifications

| Type | P200-12 | P400-12 | P1000-12 | P200-24 | P400-24 | P1000-24 |
|--|--------------------------------|-------------|----------------|------------|-------------|----------------|
| Voltage _{nom} | 12V | | | 24V | | |
| Input voltage range | 10...15V | | | 20...30V | | |
| Input current _{max} / protection | 30A | 60A / 2×30A | 120A / 4×20A | 15A | 30A / 2×20A | 80A / 4×20A |
| Typical standby consumption | 1,8W | 3,6W | 4W | 1,8W | 3,6W | 6W |
| Recommended battery Ah _{min} | 40Ah | 80Ah | 120Ah | 40Ah | 80Ah | 80Ah |
| 230V output (grounded socket) | | | | | | |
| Output voltage | 230V ± 5% | | 230V +5% - 10% | 230V ± 5% | | 230V +5% - 10% |
| Output frequency | 50Hz +/- 1% | | | | | |
| Output waveform | Sinusoidal | | | | | |
| Output current cont. / max. | 0,9 / 2,7A | 1,8 / 5,4A | 4,5 / 12A | 0,9 / 2,7A | 1,8 / 5,4A | 4,5 / 12A |
| Max. cont. consumption at cos φ >0,8 | 200VA | 400VA | 1000VA | 200VA | 400VA | 1000VA |
| Max. peak consumption at cos φ >0,8 | 600VA | 1200VA | 2500VA | 600VA | 1200VA | 2500VA |
| Efficiency (U _{in} = U _{nom}) | 87% | 88% | 94% | 89% | 90% | 96% |
| Deep discharge protection | | | | | | |
| Advance warning indication | <12,0V | | <11,0V | <24,0V | | |
| Switch-off threshold of DDP | 10,4V | | 9,0V | 20,8V | | 18,0V |
| Reset threshold | 12,3V | | 12,0V | 24,6V | | 24,0V |
| Other data | | | | | | |
| Operating temperature | 0...+40°C | | | | | |
| Dimensions (mm) | 190×190×80 | 205×250×80 | 283×350×115 | 190×190×80 | 205×250×80 | 283×350×115 |
| Weight | 1,60 kg | 2,50 kg | 5,30 kg | 1,60 kg | 2,50 kg | 5,30 kg |
| EMC Directive | EN55011:03.91; EN50082-1:01.92 | | | | | |
| Low Voltage Directive | EN60335-1:09.94+A11:05.95 | | | | | |