



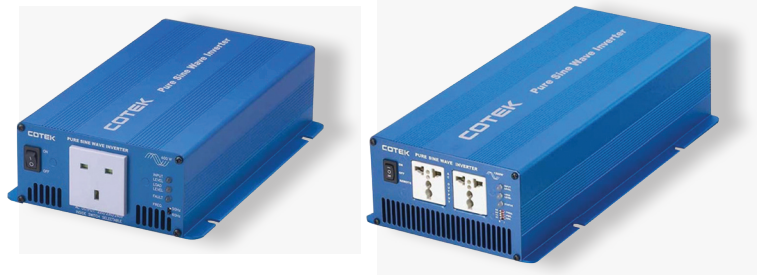
POWERHOUSE

Reliable Power Solutions

Tel : +27 11 346 1812/4/5/6 e-mail: anthony@phdpowerhouse.co.za Web: www.phdpowerhouse.co.za

Solar Inverters - Pure Sinewave (150W-3000W)

- True Sinewave Output
- Power ON-OFF Remote Control
- Advanced Microprocessor
- Inpt Polarity / under volatge / over voltage protection
- Output short circuit / overload / over temperature protection
- Capable of driving highly reactive and capacitive loads
- Three color LED indicators



| Model* | S150-X | S300-X | S600-X | SK1000-X | SK1500-X | SK2000-X | SK3000-X |
|----------------------------|---|-------------------|-------------------|--------------------------------------|-------------------|--------------------|--------------------|
| Rated Power/Surge Power | 150W/200W | 300W/400W | 600W/800W | 1kW/2kW | 1.5kW/3kW | 2kW/4kW | 3kW/6kW |
| Output | | | | | | | |
| AC Voltage | 220/230/240VAC | | | | | | |
| Waveform | True Sinewave (THD < 6%) | | | True Sinewave (THD < 3%) | | | |
| Frequency | 50Hz / 60Hz | | | 50Hz / 60Hz selectable by DIP switch | | | |
| AC Regulation | ± 5% | | | ± 3% | | | |
| Power Factor Allowed | cos Θ (-90°) - cos Θ (+90°) | | | | | | |
| LED Indicator | Input Voltage level, output load level and fault status | | | | | | |
| Input | | | | | | | |
| DC Voltage | 12/24 | | | 12/24/48 | | | |
| No Load Current Draw | 0.22/0.16 | 0.26/0.28 | 0.83/0.43/0.22 | 1.2/0.6/0.28 | 1.4/0.7/0.4 | 2.64/1.32/0.65 | 2.8/1.5/0.7 |
| Voltage Range | 10.5-15/21-30 | | | 10.5-15/21-30/42-60 | | | |
| Efficiency (typ. %) | 87/88 | 89/89 | 90/93/94 | 91/93/94 | 90/93/94 | 91/94/95 | 90/93/94 |
| Protection | | | | | | | |
| Bat. Low Alarm | N/A | | | 11V / 22V / 44V | | | |
| Bat. Low Shutdown | 10 ± 0.5V / 20 ±1V | | | 10.5V / 21V / 42V | | | |
| Overload | Shut off output voltage, re-power on to recover | | | | | | |
| Over Voltage | 15V-16V / 30V-32V | | | 15.3V / 30.6V / 61.2V | | | |
| Over Temperature | Shut off output voltage, recovers automatically after temperature goes down | | | | | | |
| Output Short | Shut off output voltage, re-power on to recover | | | | | | |
| Bat. Polarity Reverse | Fuses will become open | | | | | | |
| Environment | | | | | | | |
| Working Temp. | 0-40°C | | | | | | |
| Working Humidity | 20% - 90% RH non-condensing | | | | | | |
| Storage Temp. Humidity | -30°C-70°C / -22°F-158°F / 10%-95% | | | | | | |
| Safety & EMC | | | | | | | |
| Isolation Resistance | I/P - O/P: 100M Ohms / 500VDC | | | | | | |
| EMI Conduction & Radiation | Compliance EN55022 class B | | | Compliance EN55022 class A | | | |
| EMS Immunity | Compliance EN61000-3 -2, 3 | | | | | | |
| LVD | Compliance EN60950-1 | | | | | | |
| e-Mark | Compliance to e-13 * 72/245/EEC, 95/54/EC | | | | | | |
| Other | | | | | | | |
| Dimensions, L x W x H (mm) | 200 x 132 x 72 | 237 x 155 x 72 | 295 x 180 x 72 | 383 x 182 x 88 | 415 x 191 x 88 | 422 x 208 x 166 | 452 x 208 x 166 |

* X denotes the DC Voltage

All information contained in this brochure is purely indicative and can not be used to form any contractual obligations. Specification or design can be changed at anytime without prior notice.