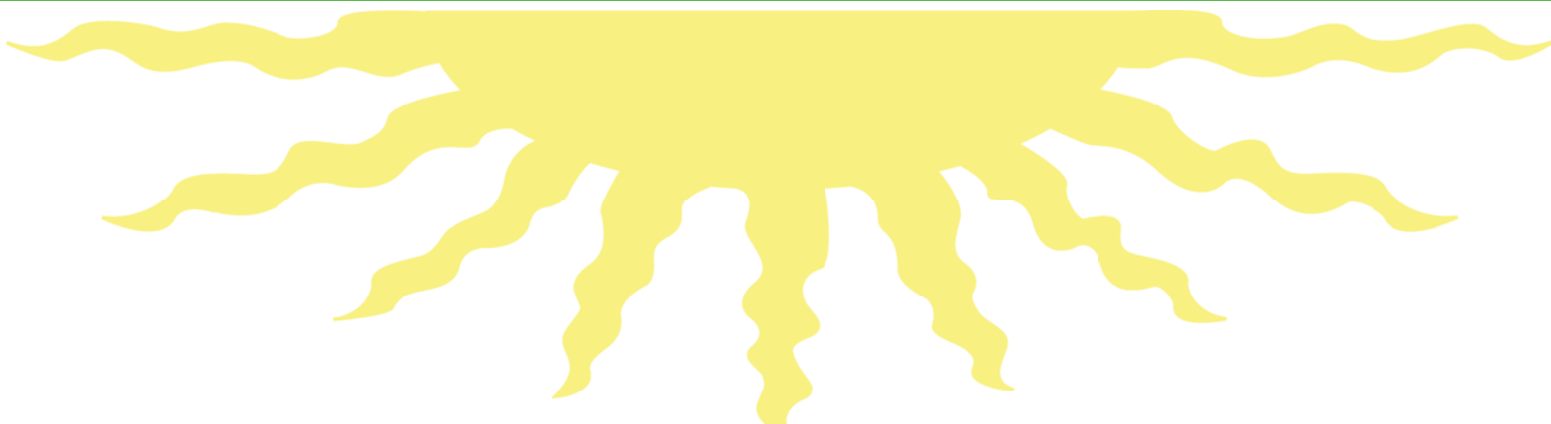


Inverters

2009 Data Sheet

Patriot Solar Group

The most important thing we build is trust



| Parameter | | 241KS | 81KS | 482KS | 483KS | 485KS |
|-----------|--|--|--------------|-------|-----------------|-------|
| DC | Nominal Voltage (VDC) | 24 | 48 | | | |
| Input | Nominal Current (A) | 50 | 24 | 48 | 73 | 116 |
| | Voltage Allowable Range (VDC) | 21-32 | 42-64 | | | |
| AC | Nominal Capacity (KVA) | 1 | 1 | 2 | 3 | 5 |
| Output | Nominal output Power (KW) | 0.8 | 0.8 | 1.6 | 2.4 | 4 |
| | Output Voltage and Frequency | 110 VAC, ± 50 HZ | | | | |
| | Nominal Output Voltage (A) | 4.5 | 4.5 | 9 | 13.6 | 22.7 |
| | Voltage Stabilization Precision (V) | 110 VAC, ± 3 HZ | | | | |
| | Frequency Stabilization Precision (HZ) | 50 \pm 0.050 | | | | |
| | Distortion rate (THD) | $\leq 5\%$ | | | | |
| | Dynamic Response | 5% | | | | |
| | Power Factor (PF) | 0.8 | | | | |
| | Overload Capacity | 150%, 10s | | | | |
| | Crest Factor (CF) | 3:01 | | | | |
| | Distortion Rate (80%) | 84% | 86% | | | 90% |
| | Noise (1m) | ≤ 40 dB | ≤ 45 dB | | ≤ 50 dB | |
| | Operation ambient Temperature | -25° C to $+55^{\circ}$ C | | | | |
| | Humidity | 0 to 90% | | | | |
| | Altitude (m) | ≤ 6000 | | | | |
| Dimension | L x W x H (mm) | 425 x 205 x 365 | | | 470 x 434 x 638 | |
| | | | | | 470 x 400 x 750 | |
| | Weight | 18 | 18 | 27.5 | 42 | 65 |
| | Protection | Input reverse protection input low voltage protection input over voltage protection output overloaded protection output short circuit protection | | | | |



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