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Sinewave Inverter, 30A Transfer Switch

KI-SW1012-TS
KI-SW2012-TS
KI-SW3012-TS



Abso Sine Wave Inverters provide clean power so you can run practically any standard household device right from your batteries. The KI-SW-TS series also has the added ability of a transfer switch which enables you to switch seamlessly between battery power and shore power.

Ideal Applications:

- Kitchen Appliances
- Consumer Electronics & Entertainment Systems
- Power Tools
- Office Equipment

ADVANTAGES

- True sinewave output
- Low battery shutdown to prevent total battery discharge
- Optional detachable display for battery status and load management
- Over temperature shutdown
- Mounting brackets and high quality DC connectors make installation simple
- USB port for charging USB Devices
- Approved to UL, CSA, and European regulatory standards





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| | KI-SW1012-TS | KI-SW2012-TS | KI-SW3012-TS |
|---------------------------------------|--------------------------------|--------------|---------------|
| Inverter | | | |
| Output Power (Continuous) | 1000W | 2000W | 3000W |
| Output Power (Peak) | 2000W | 4000W | 6000W |
| Output (Voltage, Frequency) | 120 VAC, 60 Hz | | |
| Output Current | 8.3A | 16.6A | 25.0A |
| Output Waveform | True Sine Wave (<3% THD) | | |
| Peak efficiency | ~ 90% | | |
| No-load battery draw | <1.5A | <1.5A | <2.0A |
| 5V USB | 750mA | | |
| DC Input Voltage (nominal) | 12.5 Vdc | | |
| DC Input Operation Range | 10.5 - 15.5 Vdc | | |
| DC Input Current | ~ 90A | ~ 180A | ~ 270A |
| Input Undervoltage Warning / Shutdown | 11.0/10.5V or 12.1/11.8 V | | |
| Input Undervoltage Recovery | 12.0 or 12.6 Vdc | | |
| Input Overvoltage Shutdown | 15.5 Vdc | | |
| Output Power Warning / Shutdown | Warning / Error code | | |
| Output Short Circuit Protection | Error code | | |
| Temperature Warning / Shutdown | Warning / Error code | | |
| | | | |
| Detachable Display | | | |
| Display Panel Port | RJ12 | | |
| Inverter Mode | Input V/A, Output Power | | |
| Charger Mode | Status, Battery Voltage | | |
| Warning and Fault Code | Yes | | |
| LED Indicator | Yes (Status, Display) | | |
| | | | |
| AC Transfer Switch | | | |
| Transfer time | < 30 ms | | |
| Transfer Relay | 30A max. | | |
| AC Input Source Setting | 15, 20, 30A | | |
| AC Input Port | Heavy duty connector 30A | | |
| AC Output Port 1 | 15A (GFCI) | 20A (GFCI) | NEMA 5-20 x 2 |
| AC Output Port 2 | Heavy duty connector 30A max | | |
| AC Output Port 3 | 15A (GFCI) | 20A (GFCI) | 30A |
| | | | |
| Regulatory Compliance | | | |
| Standards | UL 458, CSA C22.2 No. 107.2-01 | | |
| EMI/EMC | FCC Part 15 Class B | | |



DIMENSIONS

| Model | Size | Weight |
|--------------|--|----------|
| KI-SW1012-40 | 17.1 x 9.1 x 4.5" (435 x 230 x 114 mm) | 11.0 lbs |
| KI-SW2012-55 | 17.1 x 9.1 x 4.5" (435 x 230 x 114 mm) | 13.0 lbs |
| KI-SW3012-TS | 21.21 x 9.1 x 4.5" (539 x 230 x 114 mm) | 15.4 lbs |



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