

Sinewave Inverter/Charger

KI-SW1012-40

KI-SW2012-55



Abso Sine Wave Inverters provide clean power so you can run practically any standard household device right from your batteries. The KI-SW1012-40 and KI-SW2012-55 also have the added capacity as a charger which enables you to power your batteries and appliances from shore power.

ADVANTAGES

- Low frequency design with high surge capacity to start demanding loads
- True sinewave output
- Low battery shutdown to prevent total battery discharge
- System remote panel (included) provides vital system information
- Over temperature shutdown
- Mounting brackets and high quality DC connectors make installation simple
- Approved to UL, CSA, and European regulatory standards

Ideal Applications:

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



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KI-SW1012-40

KI-SW2012-55

Inverter	KI-SW1012-40	KI-SW2012-55
Output Power (Continuous)	1000W	2000W
Output Power (Peak)	2000W	4000W
Output (Voltage, Frequency)	120 VAC, 60 Hz	
Output Current	8.3A	16.6A
Output Waveform	True Sine Wave (<3% THD)	
Peak efficiency	90%	
No-load battery draw	<1.5A	
5V USB	750mA	
DC Input Voltage (nominal)	12.5 Vdc	
DC Input Operation Range	10.5 - 15.5 Vdc	
DC Input Current	~90A	~180A
Input Undervoltage Warning / Shutdown	11.0/10.5 Vdc or 12.1/11.8 Vdc	
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 Voltage, Output Power	
Charger Mode	Status, Battery Voltage	
Warning and Fault Code	Yes	
LED Indicator	Status, Display	
Battery Charger		
Charge Voltage Range	14.2-15.5 V	
Float Voltage Range	13.4-13.8 V	
Charger current (Maximum)	40A	55A
Charger current setting (Manuals / Auto)	5,10,20,40 / Automatic	5,10,30,55 / Automatic
Charge Control	Bulk / Absorption / Float	
Charging Battery Type	Gel, Flooded, AGM	
AC Input Voltage / Frequency	120 VAC / 60 Hz	
AC Input Voltage Range	90 -132 VAC	
Charger Efficiency	> 80%	
Dead Battery Charging	1 VDC	
Over Charge Protection	Error code	
Over Temperature Protection	De-rated / Shutdown	
AC Transfer Switch		
Transfer time	< 30 ms	
Transfer Relay	30A	
AC Input Source Setting	15, 20, 30A	
AC Input Port	Heavy duty connector 30A	
AC Output Port 1	NEMA 5-15 (15A GFCI & Breaker Protected)	
AC Output Port 2	Heavy duty connector 30A	
AC Output Port 3	15A Heavy Duty Connector (GFCI & Breaker Protected)	
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	9 x 18.8 x 4.5 (230 x 478 x 114 mm)	12.5 lbs
KI-SW2012-55	9 x 18.8 x 4.5 (230 x 478 x 114 mm)	14.5 lbs