

# Abso Inverter-Charger

Deluxe Inverter/Charger for emergency, commercial and recreational vehicles



## 120V Output Series

*IC 121040 (12V 1000W - 40A)*

*IC 122055 (12V 1000W - 55A)*

## 220-240V Output Series

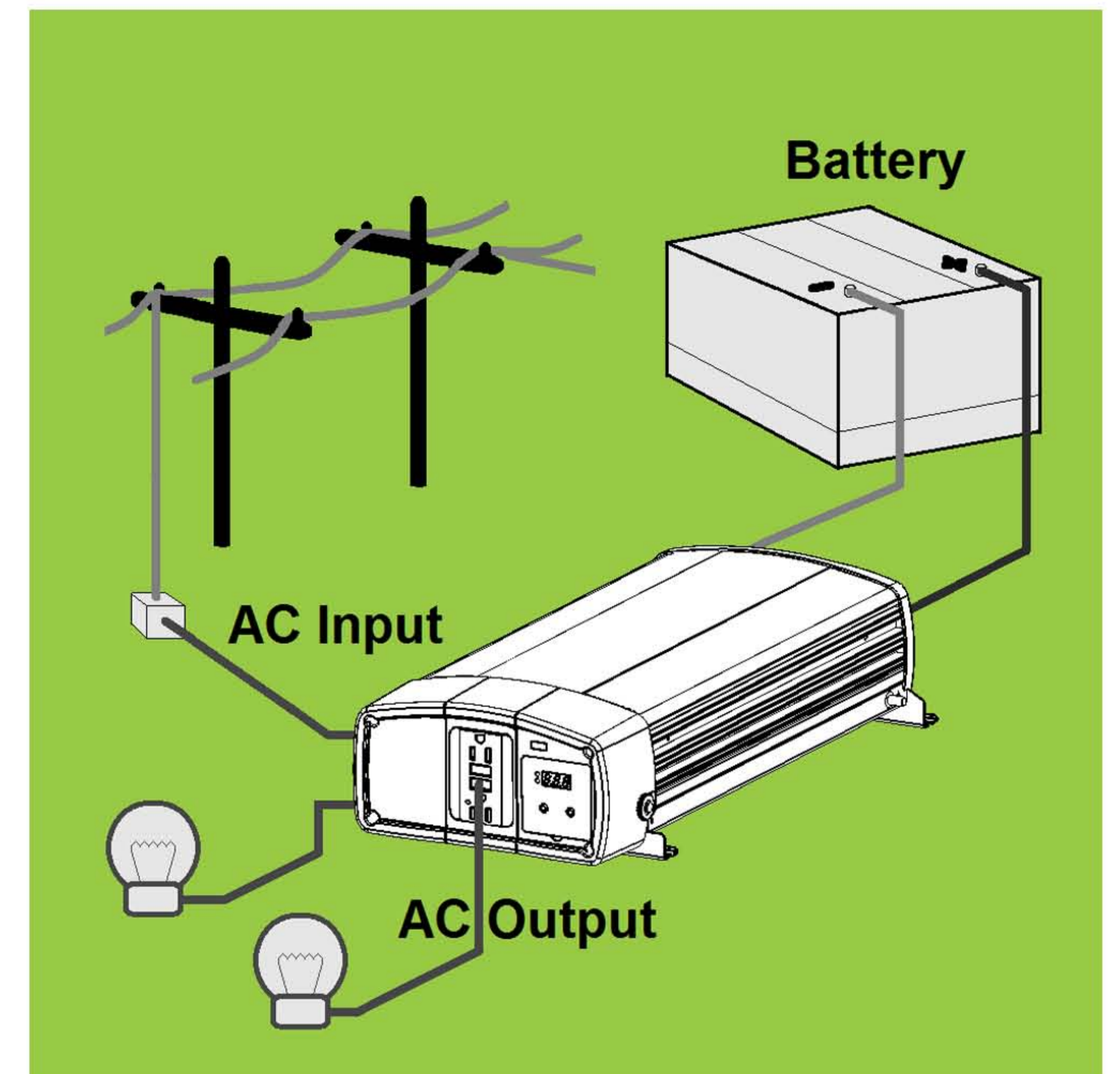
*IC 121040i (12V 1000W - 40A)*

*IC 122055i (12V 2000W - 55A)*



## Convert Battery Power to Household AC Power and Recharge Your Batteries

- Run your household appliances in your truck, boat or RV
- Sinewave output to run motor loads and sensitive electronics
- Multi-stage charger will charge your deep cycle batteries quickly and efficiently
- Integrated transfer switch allows you to switch seamlessly from shore power to battery power
- Ideal inverter for running microwave ovens, kitchen appliances, and consumer electronics



## Features and Benefits

- Low frequency design with high surge capability to start demanding loads
- True sinewave output will run heavy-duty motor loads and entertainment systems flawlessly
- 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

## Dimensions (W x L x H):

IC 121040: 9 x 18.8 x 4.5"  
(230 x 478 x 114mm)

IC 122055: 9 x 18.8 x 4.5"  
(230 x 478 x 114mm)

IC 121040i: 9 x 18.8 x 4.5"  
(230 x 478 x 114mm)

IC 122055i: 9 x 18.8 x 4.5"  
(230 x 478 x 114mm)

## Weight:

IC 121040: 12.5 lb (5.7kg)

IC 122055: 14.5 lb (6.6kg)

IC 121040i: 12.5 lb (5.7kg)

IC 122055i: 14.5 lb (6.6kg)



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## 120 VAC Series

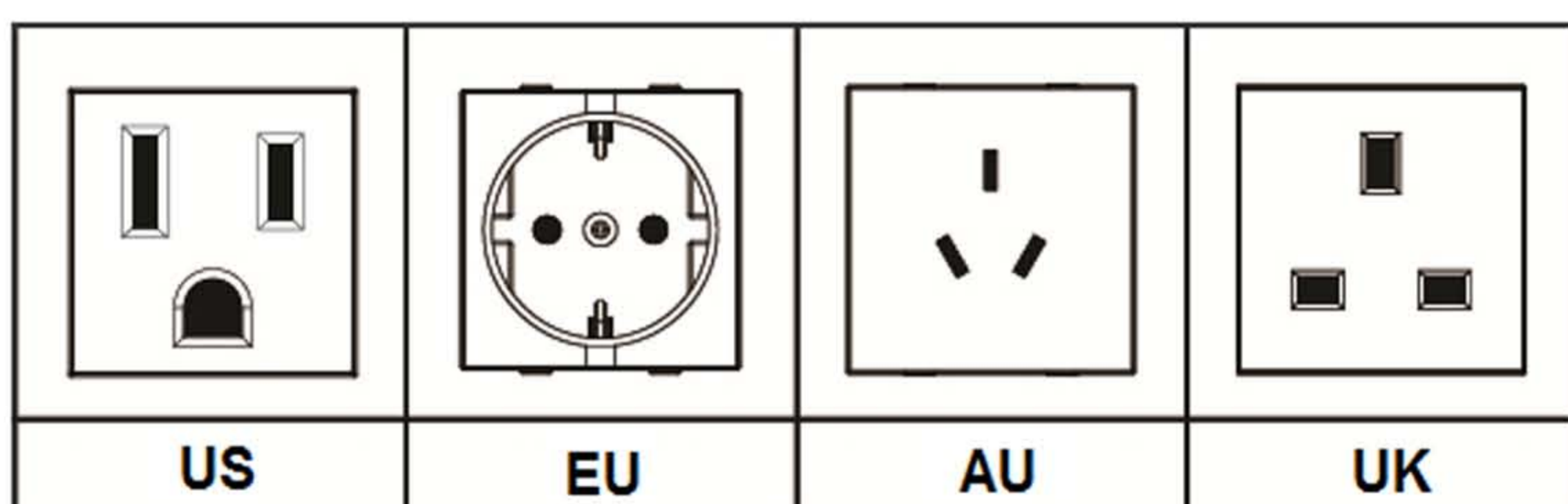
IC 121040, IC 122055

## 220VAC - 240VAC Series

IC 121040i, IC 122055i



Inverter	IC121040	IC122055	IC121040i	IC122055i
Output Power (Continuous)	1000W	2000W	1000W	2000W
Output Power (Peak)	2000W	4000W	2000W	4000W
Output (Voltage, Frequency)	120 VAC, 60 Hz		230 VAC, 50 Hz	
Output Current	8.3A	16.6A	4.3A	8.7A
Output Waveform	True Sine Wave (<3% THD)		True Sine Wave (<3% THD)	
Peak efficiency	90%		90%	
No-load battery draw	<1.5A		<1.5A	
5V USB	750mA		750mA	
DC Input Voltage (nominal)	12.5 Vdc		12.5 Vdc	
DC Input Operation Range	10.5 - 15.5 Vdc		10.5 - 15.5 Vdc	
DC Input Current	~90A	~180A	~90A	~180A
Input Undervoltage Warning / Shutdown	11.0/10.5 Vdc or 12.1/11.8 Vdc		11.0/10.5 Vdc or 12.1/11.8 Vdc	
Input Undervoltage Recovery	12.0 or 12.6 Vdc		12.0 or 12.6 Vdc	
Input Overvoltage Shutdown	15.5 Vdc		15.5 Vdc	
Output Power Warning / Shutdown	Warning / Error code		Warning / Error code	
Output Short Circuit Protection	Error code		Error code	
Temperature Warning / Shutdown	Warning / Error code		Warning / Error code	
<b>Detachable Display</b>				
Display Panel Port	RJ12		RJ12	
Inverter Mode	Input Voltage, Output Power		Input Voltage, Output Power	
Charger Mode	Status, Battery Voltage		Status, Battery Voltage	
Warning and Fault Code	Yes		Yes	
LED Indicator	Status, Display		Status, Display	
<b>Battery Charger</b>				
Charge Voltage Range	14.2-15.5 V		14.2-15.5 V	
Float Voltage Range	13.4-13.8 V		13.4-13.8 V	
Charger current (Maximum)	40A	55A	40A	55A
Charger current setting (Manuals / Auto)	5,10,20,40 / Automatic	5,10,30,55 / Automatic	5,10,20,40 / Automatic	5,10,30,55 / Automatic
Charge Control	Bulk / Absorption / Float		Bulk / Absorption / Float	
Charging Battery Type	Gel, Flooded, AGM		Gel, Flooded, AGM	
AC Input Voltage / Frequency	120 VAC / 60 Hz		230 VAC / 50 Hz	
AC Input Voltage Range	90 - 132 VAC		207 - 252 VAC	
Charger Efficiency	> 80%		> 80%	
Dead Battery Charging	1 VDC		1 VDC	
Over Charge Protection	Error code		Error code	
Over Temperature Protection	De-rated / Shutdown		De-rated / Shutdown	
<b>AC Transfer Switch</b>				
Transfer time	< 30 ms		< 30 ms	
Transfer Relay	30A		16A	
AC Input Source Setting	15, 20, 30A		8, 10, 16A	
AC Input Port	Heavy duty connector 30A		Heavy duty connector 16A max	
AC Output Port 1	NEMA 5-15 (15A GFCI & Breaker Protected)		Schuko, UK, Australia	
AC Output Port 2	Heavy duty connector 30A		Heavy duty connector 16A max	
AC Output Port 3	15A Heavy Duty Connector (GFCI & Breaker Protected)		N/A	
<b>Regulatory Compliance</b>				
Standards	UL 458, CSA C22.2 No. 107.2-01		CE LVD: EN/IEC 62040-1 & IEC 61558-2-16	
EMI/EMC	FCC Part 15 Class B		CE EMC: EN/IEC 62040-2 Category C1	



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