

DC to AC Power Inverter

Hardwire and Transfer Switch Version

120V Sinewave Inverter, 30A Transfer Switch

SWXFR 1210 (12V 1000W)

SWXFR 1220 (12V 2000W)

SWXFR 1230 (12V 3000W)

230V Sinewave Inverter, 16A Transfer Switch

SWXFR 1210i (12V 1000W)

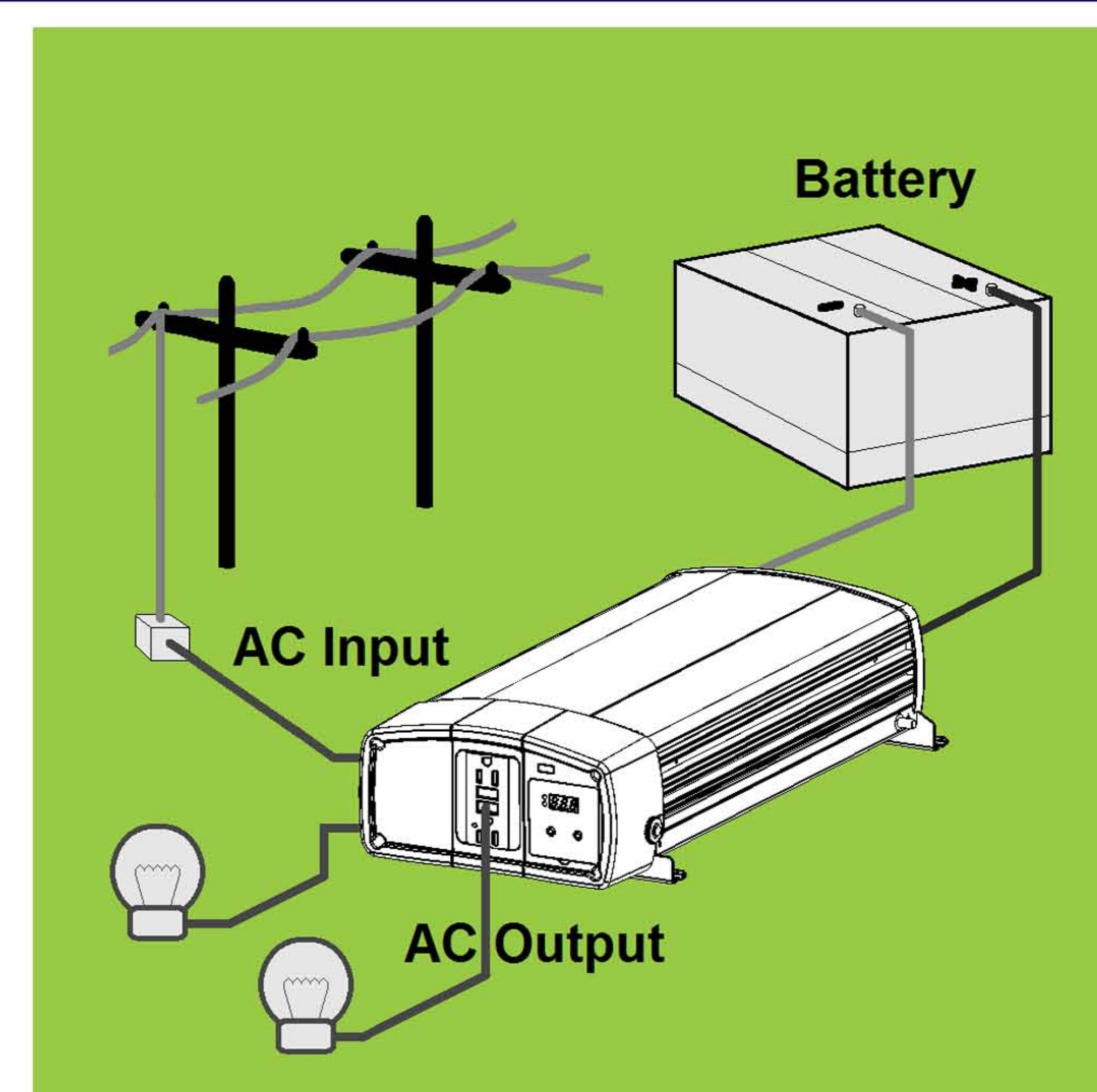
SWXFR 1220i (12V 2000W)

SWXFR 1230i (12V 3000W)



Convert Battery Power to Household AC Power

- Run your household appliances in your boat or vehicle
- SWXFR series integrated transfer switch allows you to switch seamlessly from shore power to battery power
- Ideal for running microwave ovens, power tools, electronics items and more



Features and Benefits

- Regulated output
- Low battery shutdown to prevent total battery discharge
- Detachable display for battery status and load measurement
- Over temperature shutdown
- Mounting brackets and high quality DC connectors make installation simple
- All models designed to be hard-wired using terminal strip
- USB port for charging USB devices
- Approved to UL, CSA and European Regulatory Standards

Dimensions (W x L x H):

SWXFR 1210, SWXFR1220, SWXFR 1210i
& SWXFR 1220i Series:

17.1 x 9.1 x 4.5"
(435 x 230 x 115mm)

SWXFR 1230, SWXFR 1230i:

21.2 x 9.1 x 4.5"
(539 x 230 x 115mm)

Weight:

SWXFR 1210:	11.0 lb (5.0 kg)
SWXFR 1220:	13.0 lb (5.9 kg)
SWXFR 1230:	15.4 lb (7.0 kg)
SWXFR 1210i:	10.8 lb (4.9 kg)
SWXFR 1220i:	12.8 lb (5.8 kg)
SWXFR 1230i:	15.2 lb (6.9 kg)



DC to AC Power Inverter

Hardwire/Transfer Switch version

120V Sinewave series:

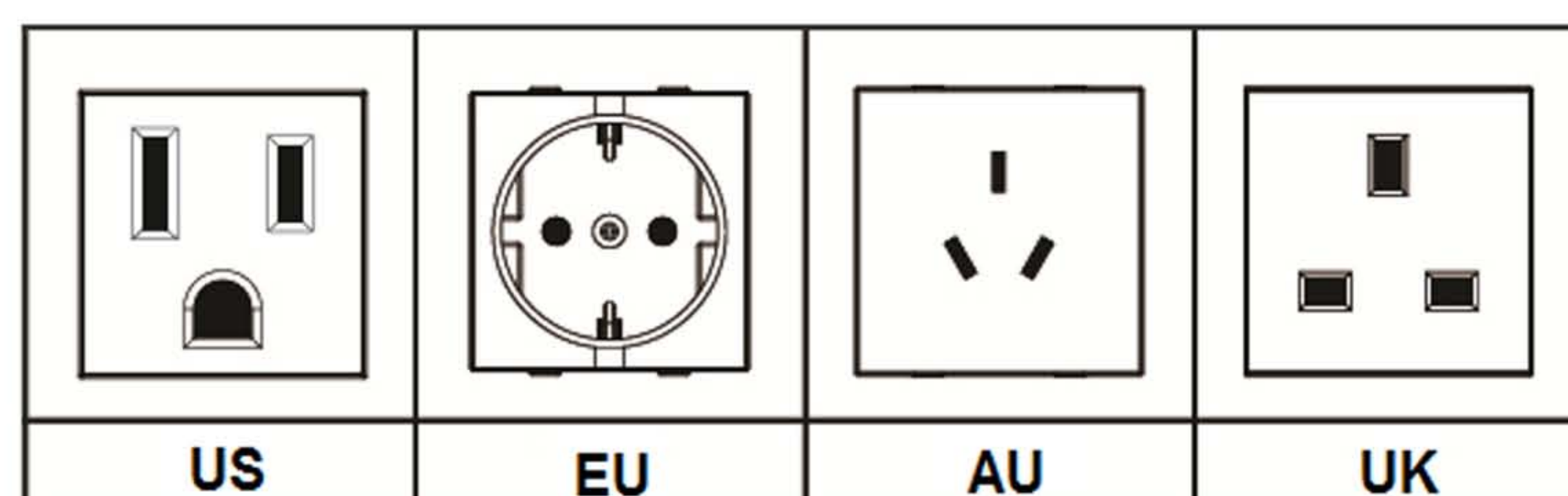
SWXFR 1210, 1220, 1230

220-240V Sinewave series:

SWXFR 1210i, 1220i, 1230i



Inverter	120V series			220-240V series		
	SWXFR1210 (12V, 1000W)	SWXFR1220 (12V, 2000W)	SWXFR1230 (12V, 3000W)	SWXFR1210i (12V, 1000W)	SWXFR1220i (12V, 2000W)	SWXFR1230i (12V, 3000W)
Output Power (Continuous)	1000W	2000W	3000W	1000W	2000W	3000W
Output Power (Peak)	2000W	4000W	6000W	2000W	4000W	6000W
Output (Voltage, Frequency)	120 VAC, 60 Hz			220-240VAC, 50 Hz		
Output Current	8.3A	16.6A	25.0A	4.3A	8.7A	13A
Output Waveform	True Sine Wave (<3% THD)			True Sine Wave (<3% THD)		
Peak efficiency	~ 90%			~ 90%		
No-load battery draw	<1.5A	<1.5A	<2.0A	<1.5A	<1.5A	<1.2A
5V USB	750mA			750mA		
DC Input Voltage (nominal)	12.5 Vdc			12.5 Vdc	12.5 Vdc	12.5 Vdc
DC Input Operation Range	10.5 - 15.5 Vdc			10.5 - 15.5 Vdc	10.5 - 15.5 Vdc	10.5 - 15.5 Vdc
DC Input Current	~ 90A	~ 180A	~ 270A	~ 90A	~ 180A	~ 270A
Input Undervoltage Warning / Shutdown	11.0/10.5V or 12.1/11.8 V			11.0/10.5V or 12.1/11.8 V		
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		
Detachable Display						
Display Panel Port	RJ12			RJ12		
Inverter Mode	Input V/A, Output Power			Input V/A, Output Power		
Charger Mode	Status, Battery Voltage			Status, Battery Voltage		
Warning and Fault Code	Yes			Yes		
LED Indicator	Yes (Status, Display)			Yes (Status, Display)		
AC Transfer Switch						
Transfer time	< 30 ms			< 30 ms		
Transfer Relay	30A max.			16A max.		
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	15A (GFCI)	20A (GFCI)	NEMA 5-20 x 2	Schuko, UK, Aus		
AC Output Port 2	Heavy duty connector 30A max			Heavy duty connector 16A max		
AC Output Port 3	15A (GFCI)	20A (GFCI)	30A	Not Applicable		
Regulatory Compliance						
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		



AWILCO ApS
Yderholmvej 64
DK-4623 LI. Skensved

Email: mail@awilco.dk
www.awilco.dk