



The Power of One™

FUSION™
INVERTER / CHARGER
FUSION



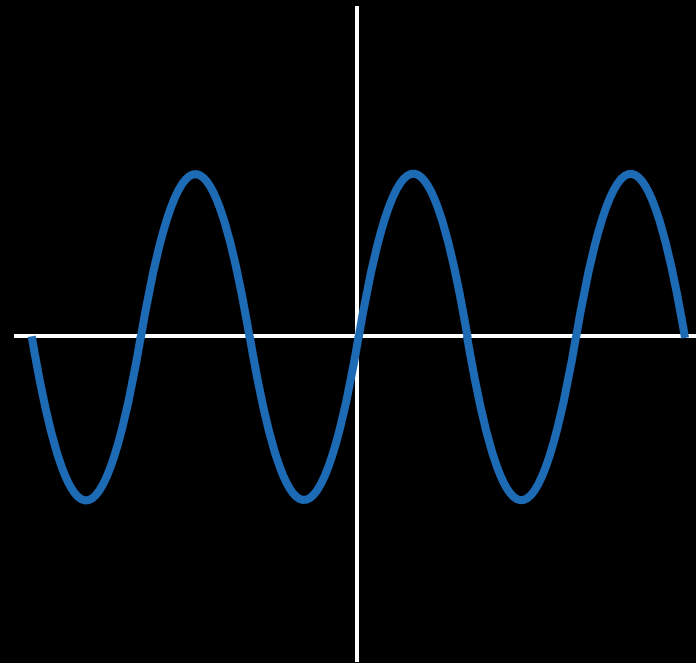
The **Sinergex Fusion** Inverter/Charger combination units are the beginning of a new era in power conversion technology. Fusion is an All-in-One Solution. By combining a highly efficient true sine wave power inverter, an intelligent 4 stage battery charger and high-speed AC transfer switch; your power needs are within a single unit. By using the latest power conversion technology, the Fusion is the smallest and lightest inverter/charger of its type available on the market.

In designing the Fusion, we went to all corners of the globe meeting with the most demanding users and the most experienced engineers. We listened to their demands, went to work and the Fusion was born. The Fusion's innovative design and advanced technology delivers unrivalled performance and reliability. Change the way you power your life, with Fusion.



TRUE SINE WAVE POWER

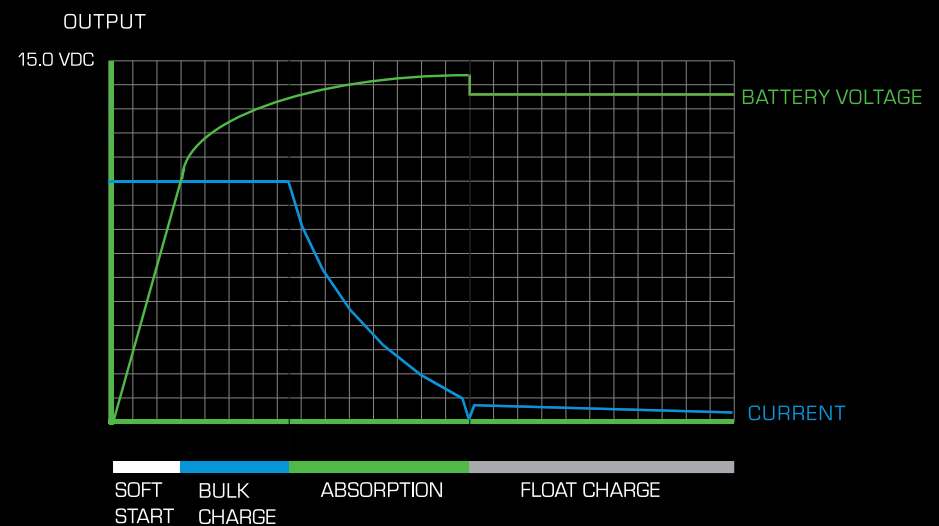
Fusion's power inverter delivers clean accurate true sine wave power perfect for operating the most sensitive to the toughest loads. The advanced high frequency design ensures optimum efficiency ensuring the power taken from the DC source is inverted with minimal loss of power during the conversion process.



INTELLIGENT BATTERY CHARGING

Fusion's charging mode is a highly intelligent fully programmable 4 stage battery charger. As battery technology becomes more advanced, so does the charging requirements. The Fusion can very simply be programmed to deliver a charge recommended by the battery manufacturer. Fusion's charge voltage and Amps can be changed as needed. The Fusion also includes a secondary charging output to maintain the starting battery.

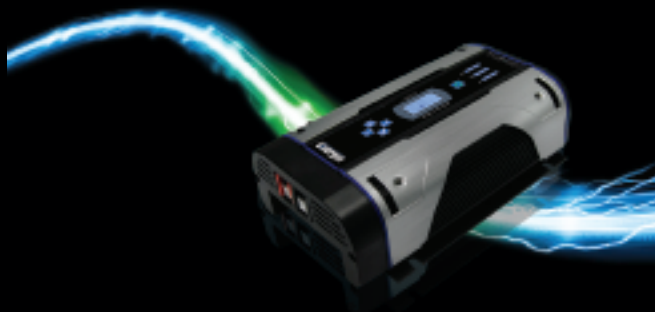
CHARGING CURVE





ENDLESS POWER

The Fusion is available in 1500 and 3000 continuous watts, in 12 and 24 volt models. Should you have a larger power requirement; multiple Fusions can be quickly connected in a parallel series as needed giving you nearly limitless power. Connection is simple and fast using the quick connect single cable.



PowerBOOST

The PowerBOOST feature allows the Fusion to assist the capacity of the shore/generator power. When peak power requirement is more than the shore/mains power can deliver, the Fusion will automatically switch from battery charging mode to the inverter mode and boost the AC power for a limited period as required. When required AC load reduces, the Fusion will automatically return to normal charging operation.



NEUTRIK PowerCON

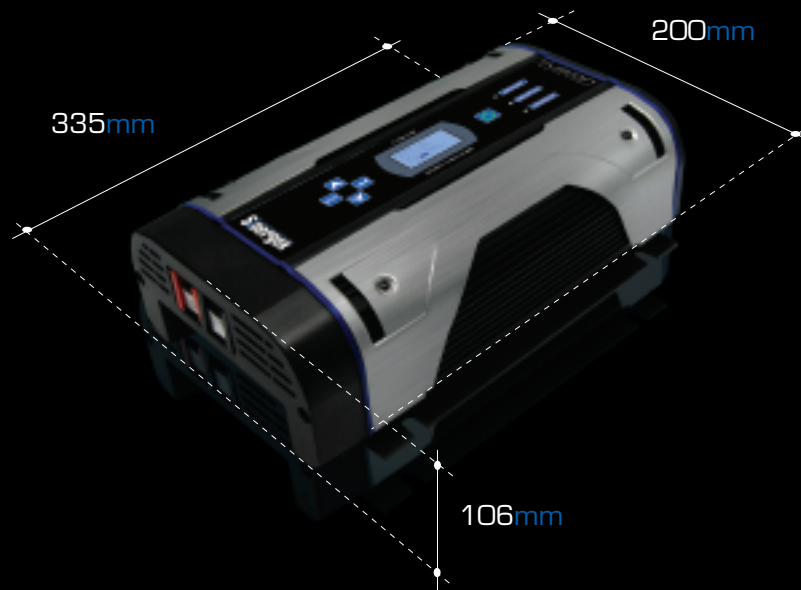
Fusion utilizes Neutrik PowerCON connectors. The powerCON is a locking 3 conductor equipment AC connector with contacts for line, neutral and pre-mating ground contact. The PowerCON connectors ensure quick and secure locking of the AC cable and guarantee a safe power connection.



LCD MASTER CONTROL

To help the user understand the Fusion's power system and operation, the Fusion has an advanced LCD control panel for programming and delivering key information. At the touch of a button the Fusion can be controlled and programmed for fully customized performance. Valuable information such as DC voltage and operation status is accurately delivered to the LCD screen. All advanced features offered by the LCD control panel are also available through the Fusion remote panel.





	F-1500-12-70	F-1500-24-40	F-3000-12-100	F-3000-24-70
Continuous output power FTS	1500 W	1500 W	3000 W	3000 W
Output power surge (1 sec.)	3000 W	3000 W	6000 W	6000 W
Output Voltage	230VAC or 110VAC	230VAC or 110VAC	230VAC or 110VAC	230VAC or 110VAC
THD max.	±3%	±3%	±3%	±3%
Output wave form	Pure sine wave	Pure sine wave	Pure sine wave	Pure sine wave
Frequency	50Hz or 60Hz ±0.05%	50Hz or 60Hz ±0.05%	50Hz or 60Hz ±0.05%	50Hz or 60Hz ±0.05%
Input Voltage	10.5 to 15 VDC	21 to 30 VDC	10.5 to 15 VDC	21 to 30 VDC
Max. Efficiency	90%	90%	90%	90%
Sleep consumption	<5mA	<5mA	<5mA	<5mA
Transfer rate	<10 ms	<10 ms	<10 ms	<10 ms
Input voltage	190-250VAC or 90-130VAC	190-250VAC or 90-130VAC	190-250VAC or 90-130VAC	190-250VAC or 90-130VAC
Efficiency	90%	90%	90%	90%
Output Current	70 ADC	40 ADC	100 ADC	70 ADC
Adjustable output current	yes	yes	yes	yes
IP class	IP 21	IP 21	IP 21	IP 21
Dimensions incl. term.	335x200x106mm 12.2x7.9x4.4in	335x200x106mm 12.2x7.9x4.4in	422x200x106mm 16.6x7.9x4.4in	422x200x106mm 16.6x7.9x4.4in
Weight	6kg or 13.2lbs	6kg or 13.2lbs	8kg or 17.6lbs	8kg or 17.6lbs



Sinergex Technologies: A New Generation of Power.

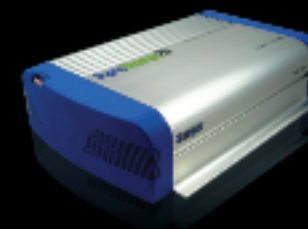
Sinergex Technologies is a leading designer and manufacturer of advanced power conversion products such as DC to AC Power inverters, Battery chargers, Inverter/Charger Combis, DC Converters and battery monitoring systems. Sinergex is dedicated to the development and manufacturing of products that enable you to have the freedom of power, wherever and whenever you want it.

Through commitment to excellence in product development, quality standards, technology, and customer support, Sinergex has grown rapidly since its conception in 1999. With a presence in every continent, Sinergex has the knowledge, flexibility and resources to deliver high performance power electronics wherever power is needed.



PureSine II True Sine Wave Power Inverters.

PS2 inverters deliver clean and accurate true sine wave AC power perfect for running the most sensitive to the toughest equipment. With models from 200 – 3000 watts, there is a PS2 inverter for every power need. PureCharge Intelligent Battery Chargers



Sinergex PureCharge battery chargers

PureCharge battery chargers assess your battery and its power needs, then delivers the perfect charge for optimum performance and prolonged battery life. Fully customizable, PC chargers are suitable for charging all types of batteries. PureCharge offers models from 5 to 40 amps.



Nitro Digital Battery Chargers

Sinergex Nitro™ series are advanced digital automatic battery chargers. Compact in size, Nitro chargers can literally fit in the palm of your hand. Constructed from ultra tough ABS plastic, the Nitro is IP65 water proof and suitable for almost any environment. Models from 1 – 6 Amps.



15529 Winged Trace Court

Draper, Utah 84020 - United States

Phone 801-368-0034

Fax 801-495-3334

office@sinergex.com

<http://www.sinergex.com>