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SINERGY
powering happiness

INTRODUCING

INVO CHARGER

12V/ 24V

A powerful yet compact inverter charger, specially designed to cater all types of inverter batteries (Lead Acid/ Tall Tubular), the Sinergy Invo charger is equipped with Auto Sense Intelligent Control (ASIC) technology which protects the batteries by sensing the battery condition and limiting the charging current. It revives every battery uniquely given its usage conditions or brand.

Bless Your Battery with a Long Life

FEATURES

- Suitable For **4-5 BATTERIES**
- **WiFi** (Optional)
- **DUAL DISPLAY**
- **BATTERY REVIVAL MODE**
- **SMART CHARGING** (As per Battery Capacity)
- **DEEP DISCHARGE**
- **PORTABLE** (easy access handle)
- **OVER CHARGE & OVER VOLTAGE PROTECTION**
- **ASIC TECHNOLOGY**
- **BATTERY SETABLE FEATURE**

Specifications

Models	INVOCHARGE 12 / 24V 15AMP
AC Input	
AC Input High Voltage Cut	280 V ± 15V
AC Input High Voltage Recovery	265 V ± 15V
AC Inpur Nominal working Range	130Vac - 280Vac ± 15Vac
AC Input Low Voltage Cut	130V ± 10V
AC Input Low Voltage Recovery	140 V ± 10V
AC Input frequency Range	47 - 53 Hz
AC Input Current working range	Max 3A ± 0.5 A RMS
DC Output	
Output load	12V/ 24Vdc Lead Acid Battery
Battery Boost Voltage	16.5 ± 0.5 V Max. per Battery and depends on battery condition
Battery Charging Current	9A, 12A, 15 A ± 1A
Battery Charging	> 0V *depends on battery condition
Operation	
Charging On/Off	Front Switch
Current selection	9/12/15A With Switch
Battery Selection switch	12 V / 24 V With Switch
Display Type	LCD and LED (Dual Display)
AC Input Avilable	Manis OK Led (Green LED ON)
Battery Charging	Charging/Charged Led (Yellow LED Blinking)
Battery Charged	Charging/Charged Led (Yellow LED Constantly ON)
LCD Display Parameters	Mains ON,Front Switch Mode ON-OFF, Battery Volt, Batt. Charging Current,Battery Charged, Batt. Charging Timer, Battery Selection and different type Protections(over voltage ,Over Charging, over temp. ,short circuit, Fuse trip / no battery .
LED indication	Manis OK Led (Green LED Glow) Mains Off /low /High (Green LED Off) Charging/Charged Led (Yellow LED Glow / Blinking)
Protection and Alarm	
Protection Short Circuit	Display and Alarm
Protection Over Voltage	Display and Alarm at 18V ± 1V per battery
Protection Over Charging	Display and Alarm at 18A ±1A
Protection Over Temprature	Display at > 75°C
Battery side Current Protection	DC Fuse 20A
Protection Reverse Battery	No Hazard
Input side Current Protection	AC Fuse 6A
Input side Surge Protection	MOV
Alarm Indication	Buzzer
Mechanical	
Enclosure	IP 20
Dimensions L X W X H	280 X 180 X 90 mm
Weight	2.8 Kg
Output Battery connection	1.25 Meter 4 Sq. mm cable
Input AC Connection	1.5 Meter - 6Amps Cable with top
Enviromental	
Oprating Temperature	0°C -45°C
Storage Temperature	-10°C to +60°C
Communication	
Wi-Fi	Yes

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