

TECHNICAL SPECIFICATIONS

IC244090i

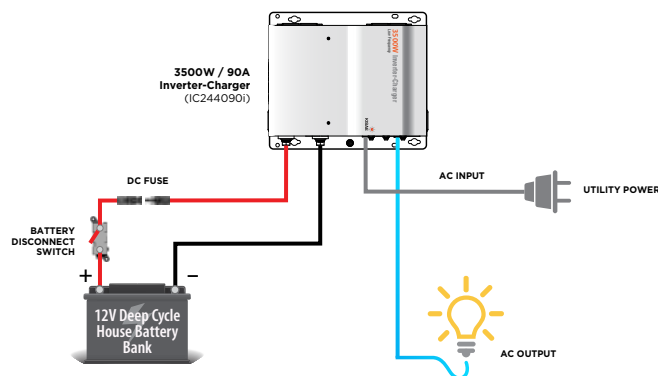
230 VAC Series
3500W Inverter + 90A Charger



Product features

- Low frequency design with high surge capability.
- Multi-stage charging ensures batteries are charged to battery manufacturer's recommendations.
- Microprocessor controlled charging algorithm (Bulk, Absorption, Float) for Gel, AGM and Flooded batteries (with manual equalization).
- True sine wave output will run heavy-duty motor loads sensitive electronics.
- Integrated transfer switch.

System diagram



Product dimensions

Width: 15.4", Length: 13.4", Height: 12.5" (392mm x 340mm x 317mm)
Base width: 392mm

Available output sockets



Specifications subject to change without notice.

IC244090i

230 VAC Series
3500W Inverter + 90A Charger

Inverter

AC Output Power (Continuous)	3500W
AC Output Power (Surge)	7000W
AC Output (Voltage/Frequency)	230VAC / 50 or 60Hz
AC Output Current	15.2A
AC Output Current (Peak)	50A max
AC Output Waveform	True Sinewave (<3% THD)
Peak Efficiency	90%
DC Input Voltage (nominal)	25Vdc
DC Input Operation Range	21.0 - 31.0Vdc
DC Input Standby Current	< 3.5A (nominal), < 1A with load sense
Input Voltage Shutdown	< 15.5Vdc

Battery Charger

Charger Voltage Range	28.4 - 31.0 Vdc
Float Voltage Range	26.8 - 27.6 Vdc
Equalize Voltage (Flooded Battery)	32.0 Vdc
Charger Current (Maximum)	90A
Charger Current Setting (Auto)	Charger current maximized to AC input source
Charge Control	3-stage (Bulk, Absorption, Float) with equalization
Charger Battery Type	Gel, Flooded, AGM 12.8 - 14.0 V (Selectable)
Charge Temp. Compensation	7-days (Automatic)
AC Input Voltage/Frequency	230 VAC / 50 or 60Hz
Recharge Voltage Range	180 - 265 VAC
Charger Efficiency	> 85%
AC Input Power Factor (max charge)	0.98 typical
Dead Battery Charging	> 6.0Vdc

AC Transfer Switch

Transfer Time	< 20ms
Transfer Relay Rating	20A
AC Input Port	Hardwire - Heavy Duty Connector
AC Input Source Setting	10, 15, 20A
AC Input and Output Port 1	20A with back-up
AC Input and Output Port 2	Not Available

Operating Temperature

Storage Range	-40° to 70° C (-40° to 158° F)
Operating Range	-20° to 60° C (-4° to 140° F) derated linearly from 40° to 60° C (104° to 140° F)

Protection

Battery Input Undervoltage Shutdown:	21.0Vdc
Battery Input Overvoltage Shutdown:	33.0Vdc

Display

Remote Panel	External, connect through Remote 1 & 2 port
Inverter Mode	Input Voltage/Current, Output Power
Charger Mode	Charging Status, Battery Voltage
Warning and Default Code	Yes
LED Indicator	Yes (Invert, Standby, Charging)

Regulatory Compliance

Markings	CE
Conformance	LVD, EMC
EMI/EMC	CE EMC

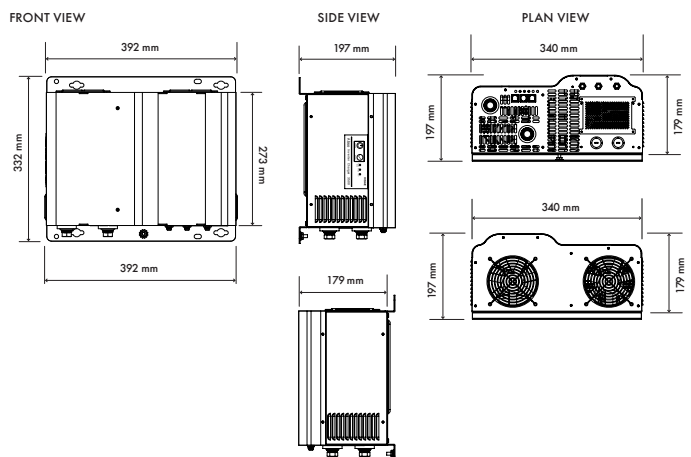
Accessories (optional)

Battery Temperature Sensor	Adjust battery charging voltage based on measured temperature
----------------------------	---

Enclosure

Dimensions (W x L x H)	15.4" x 13.4" x 7.8" (392mm x 340mm x 197mm)
Net Weight	66.4 lbs. / 30.2 Kg

Schematic Drawings



Standard warranty

1 year warranty



Certified to meet all
CE Regulatory approval
standards in Europe.

All specifications subject to change without notice.
Copyright © 2019 Kisae Technology Inc. All Rights Reserved under UCC I-207 without prejudice.

To learn more about this and other fine Kisae products please contact:
info@kisaetechnology.com

kisaepower.com

Distributor: