



Wide AC input 90 - 264 VAC
High efficiency, switched mode design.
Fully isolated output
Power fail and battery fail alarms
DC ok and battery ok LEDs
Isolation diode
Battery fused protected
Overload and OVP protection of rectifier module
Wall mount enclosure with battery "SNBW"
AS3260 approved rectifier modules No. CS7067N
Low volt disconnect - option

The SNB series battery chargers are designed for powering DC loads with battery back-up and are available in 12V and 24V systems from 50 - 150 watts.

The rectifier modules used are of a high quality switched mode design, incorporating a high level of surface mount components providing long term reliability and performance.

◆ 24 Month Warranty

SPECIFICATIONS

ELECTRICAL

INPUT VOLTAGE:	90 - 264 VAC wide input
FREQUENCY:	47 - 63Hz
EFFICIENCY:	Model dependant, typically 85%
OUTPUT VOLTAGE:	12V set to float voltage of 13.8V 24V set to float voltage of 27.6V
VOLTAGE ADJUSTMENT:	12V (13.5 to 16) 24V (27 to 31)
OUTPUT POWER:	Three power levels, 50, 100 and 150W
LINE REGULATION	<0.5% over input range
LOAD REGULATION:	< 0.8% 50 - 100% load step
RIPPLE & NOISE:	120 - 150mV pk-pk
TEMPERATURE DRIFT:	1% maximum over -10° to 50°C
PROTECTION:	<ul style="list-style-type: none"> • Rectifier short circuit protected • Rectifier OVP • Rectifier overload current limited • Battery fuse - 15A
ISOLATION:	Rectifier input - output 3000 VAC output - ground 500 VAC
SAFETY:	Designed to meet EN60950, AS3260
EMC:	EN55022 level A
COOLING:	Free air convection
HUMIDITY:	20 - 90% non-condensing
OPERATING TEMP:	10°C to +50°C

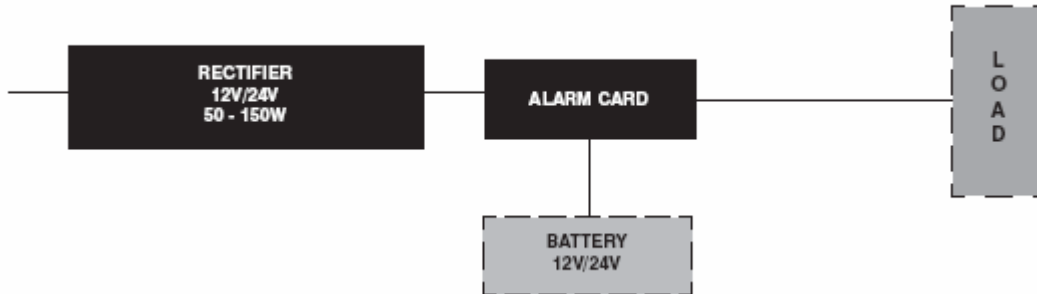
PHYSICAL

DIMENSIONS:	SNB series: 259 x 148 x 70mm 1~1.5Kg. SNBW series: 248 x 166 x 361mm 3~5.0Kg.
CONNECTIONS:	Screw terminal connections
INDICATORS:	<ul style="list-style-type: none"> • Power Fail - LED • Battery Fail - LED • Power Fail (AC/Rectifier Fail) • Battery Fail
ALARMS:	Alarms provided by voltage free relay contacts

STANDARD PREFERRED MODEL TABLE

MODELS	Vout	Iout	V float	Power (W)
SNB50 - 12	12V	3.5A	13.8V	50W
SNBW50 - 12	12V	3.5A	13.8V	50W
SNB75 - 12	12V	5A	13.8V	75W
SNBW75 - 12	12V	5A	13.8V	75W
SNB100 - 12	12V	7.0A	13.8V	100W
SNBW100 - 12	12V	7.0A	13.8V	100W
SNB150 - 12	12V	10.5A	13.8V	150W
SNBW150 - 12	12V	10.5A	13.8V	150W
SNB75 - 24	24V	2.7A	27.6V	75W
SNBW75 - 24	24V	2.7A	27.6V	75W
SNB100 - 24	24V	3.6A	27.6V	100W
SNBW100 - 24	24V	3.6A	27.6V	100W
SNB150 - 24	24V	5.2A	27.6V	150W
SNBW150 - 24	24V	5.2A	27.6V	150W

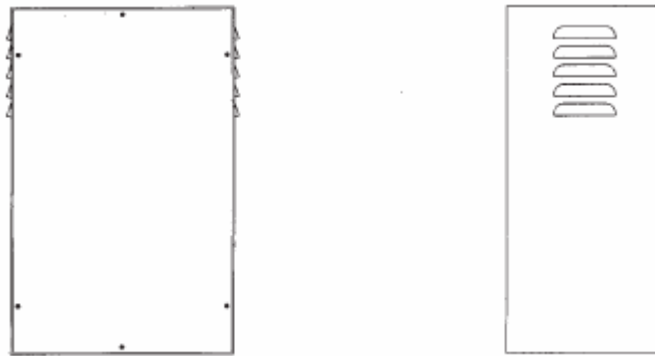
BLOCK DIAGRAM



SNB Wall Mount Dimensions

Overall dimensions: 361 x 248 x 166mm
Mounting hole diameter: 6mm

Mounting hole pitch:
332 x 205mm
Cable entry is via 25mm holes located in the right hand rear corners of top and bottom



SNB PANEL MOUNT Dimensions

Overall dimensions: 259 x 70 x 148mm
Mounting hole diameter: 6mm
Mounting hole pitch: 247 mm

