

Features

- Battery charger for mobile applications
- Railway approved according to EN 50155
- Robust and compact design
- Interface for data communication
- Current splitting and current sharing

Regulated Converter



POWER CONTROL SYSTEMS
RECOM GROUP

SA3200 Series

3.2kW

Intelligent

Battery Charger



Module Features Table

Option	Input Voltage Range [V]	Output Voltage [VDC]	Output Current [mA]	Tolerance [%]	Ripple and Noise [mV]	Output Power [kW]	Efficiency typ. [%]
SA3200	360-440VAC	21-32	50-130	±3	200	3.2	95
SD3200	380-800VDC	110-137	15-24		300		



Input voltage

360-440VAC 3 Phases 3 wires RST

Input frequency

50-60Hz
(48-64Hz)

Efficiency

95% at full load

Power factor

0.9 at full load

Input protections

- Inrush current protection
- RFI filter
- Fuses

See table for

- Output voltage and current
- Tolerance
- Ripple and noise

Output protections

- Overvoltage protection (to switch off) $\geq 35\text{VDC}$
- Overcurrent protection (1.05-1.2 In)
- Short circuit protection
- Overtemperature protection (Tmax 90°C)

Output power

3.2kW

Output signals

- Vout relay contact

Inhibit input

- Active signal high (OFF)
- Active signal low (ON)

Operating indicators

- Green LEDs (Vin OK, Vout OK) on each module

Operating temperature

-40°C to +55/+70°C

Storage temperature

-40°C to +85°C

Cooling

Force ventilation

Dielectric withstand voltage

- Input - Output: Comply to EN 62368-1

Isolation

- Output - P.E.: 500VAC

Comply with

- EN 62368-1
- EN 61000-6-2
- EN 61000-6-4
- EN 50155
- EN 61373 1B
- EN 50121-3-2
- EN 50124-1
- EN 50153
- EN 45545-2

Weight

7kg

Connectors:

Input Connector Weidmüller Omnimate

SV7.62HP/04/90MF2 (X1)

Modbus Connector: RS PRO Cod.897-1095 (X2)

Signal Connector: Molex Microfit 3.0 90°

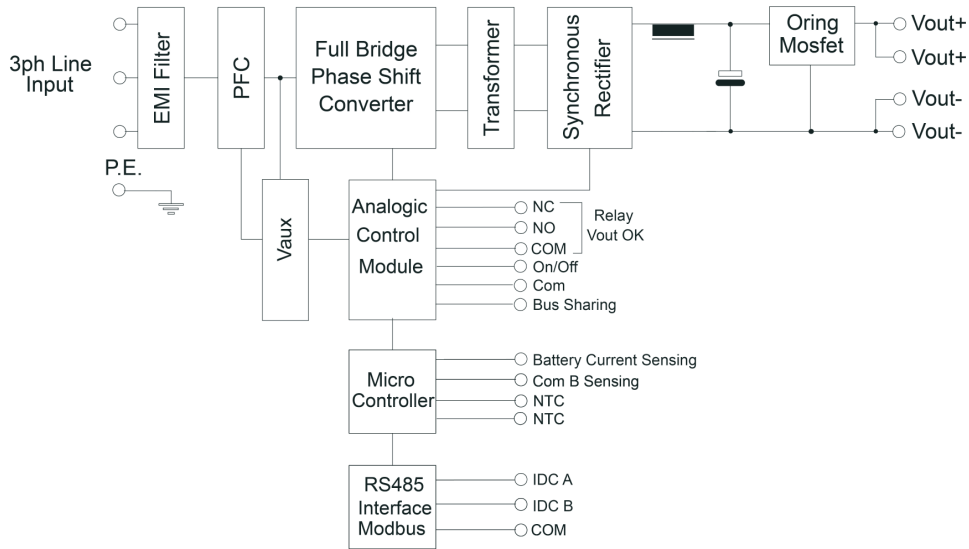
16circuit (X3)

Output Connector: Phoenix PC35 HC/4-GF-15 (X4)

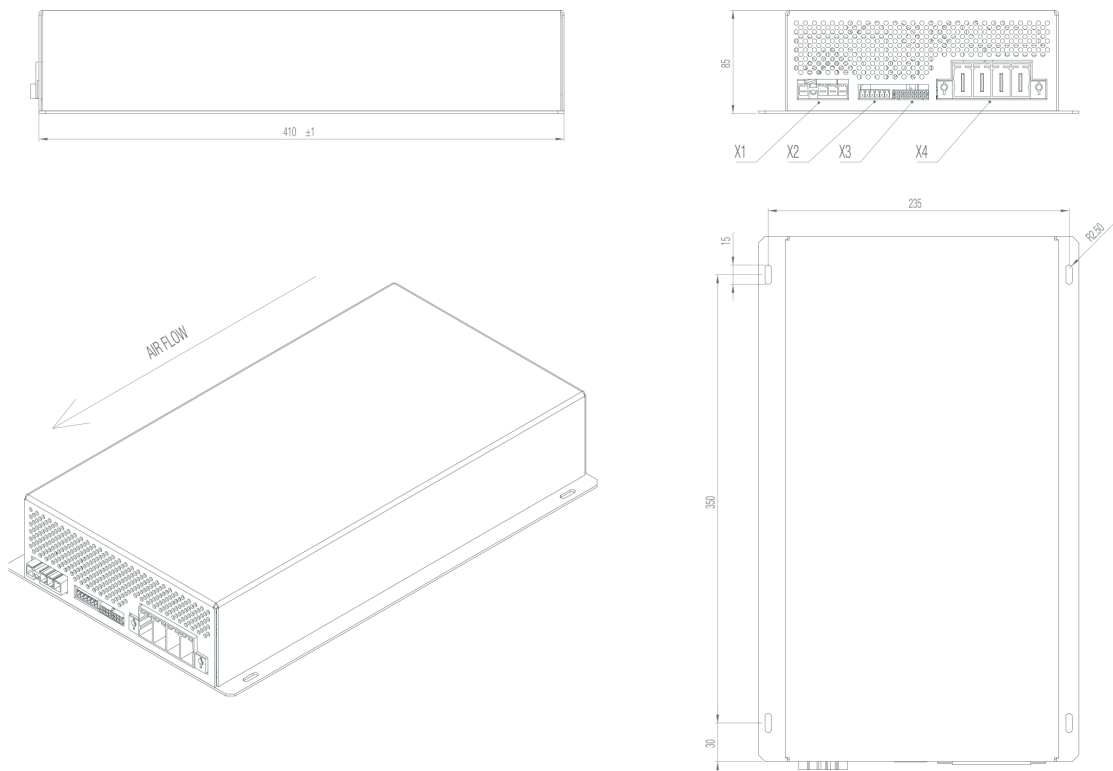


Specifications (measured @ Ta= 25°C, nom. Vin, full load and after warm-up unless otherwise stated)

BLOCK DIAGRAM



DIMENSION AND PHYSICAL CHARACTERISTICS



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