

CQ series

4 Channels Class D Power Amplifier

SAE

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The new CQ is the best solution for those sound reinforcement applications requiring a multichannel amplifier with a solid and good sounding characteristic but on an affordable budget. Implementing Power Factor Correction (PFC) technology along with Universal Mains Regulated SMPS power supply and Class D power modules, the CQ series combines in the same amplifier all the functional requirements for most sound reinforcement applications.

Technology

Class D

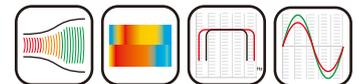
SAE Audio Class D technology implements the most advanced electronics within the smallest form-factor amplifier modules. The Class D amplifiers by SAE Audio implement the most efficient sound amplification technology available today, providing an unmatched system portability and affordability with the best sonic performance.

Power Factor Correction

SAE Audio innovative Power Factor Correction (PFC) technology along with its renowned R-SMPS power supply allows to drawn current from the mains in a more efficient way translating to a higher output power with a lower power consumption. Additionally PFC improves audio quality; it generates lower harmonics of the mains frequency thus reducing the hum and induced distortion because of perturbed mains.

Universal Mains R-SMPS

SAE Audio renowned Regulated SMPS power supply has been further improved with universal mains operation on all the range from 100V to 240V, eliminating the need for market specific power supplies and related reliability issues. The Universal Mains Regulated SMPS power supply delivers consistent power world- wide.



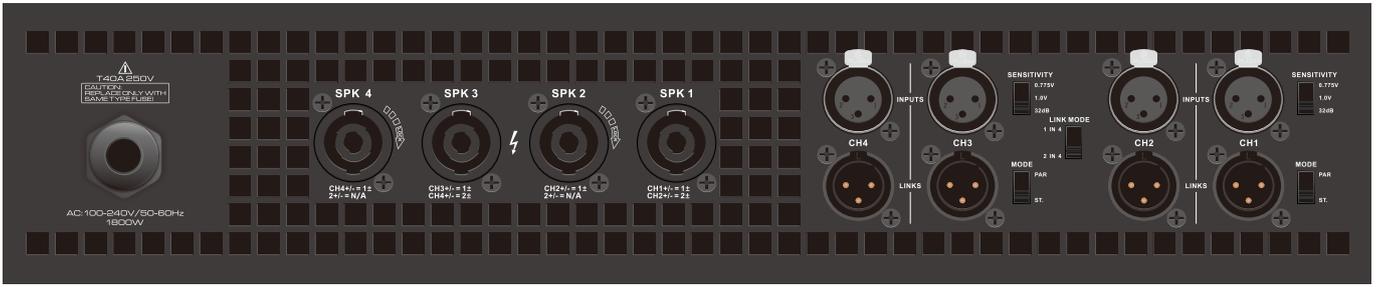
Features

- Class D power modules.
- Power Factor Correction technology and Universal Mains R-SMPS.
- XLR signal input and SpeakON NI4.
- Input sensitivity selector on the back panel (0.775V / 1V / 32dB).
- Routing mode selector on the back panel expect C3500Q(stereo / bridge / parallel).
- Routing mode selector on the back panel of C3500Q (stereo / parallel).
- Link mode selector (1-in 4-out / 2-in 4-out).
- Channel independent protection and clip warning indicators on the front panel.
- Channel independent power and -5dB/-10dB/-20dB/signal presence indicators on the front panel.

- Scan the QR code on rear panel, keep the electronic manual permanently
- CNC alumina alloy gray panel, fashion and unique

Applications

- Sound reinforcement applications with mid power density and good sounding requirements.
- Small to mid sized bar/café/lounge installation.
- Portable or rental industry PA system.

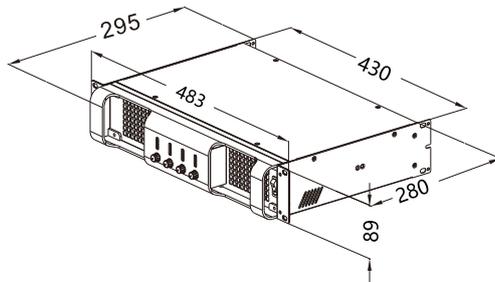


C3500Q rear panel

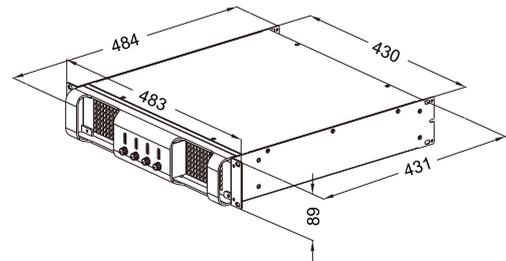
Specifications

Model	C650Q	C800Q	C1000Q	C1300Q	C3500Q
Output power (AC 220V / 50Hz. ±10%, All channels driven output power, THD=1%)					
8Ω stereo	650W x4	800W x4	1000W x4	1300W x4	3500W x4
4Ω stereo	1100W x4	1300W x4	1500W x4	2000W x4	3300W x4
2Ω stereo	1100W x4	1300W x4	1500W x4	2000W x2	N/A
8Ω bridge	2200W x2	2500W x2	3000W x2	3700W x4	N/A
4Ω bridge	2200W x2	2500W x2	3000W x2	3700W x2	N/A
Other specification					
Frequency response	20Hz-20kHz (+0/-1dB)				20Hz-20kHz (+0/-2.5dB)
S/N rate	≥ 98dB	≥ 98dB	≥ 98dB	≥ 98dB	≥ 98dB
Input sensitivity	0.775V / 1.0V / 32dB				
Input impedance(bal/unbal)	20kΩ / 10kΩ				
Voltage gain (8 ohm)	38.2dB	40.3dB	41.2dB	42dB	47dB
Output circuitry	Class D				
Cooling	Air flow from front to rear				
Dimension / Weight					
Product Dimension(mm)	483 x 306 x 89	483 x 306 x 89	483 x 306 x 89	483 x 306 x 89	483 x 484 x 89
Packaging Dimension(mm)	560 x 420 x 170	560 x 420 x 170	560 x 420 x 170	560 x 420 x 170	620 x 585 x 170
G.W.	9kg	9.2kg	9.5kg	9.7kg	15.5kg

Dimension(mm)



C650Q / C800Q / C1000Q / C1300Q



C3500Q

Remark : 1. The power is tested under the condition of 40ms burst, 1kHz sine wave and 1% THD.

2. SAE reserves the right to make any changes to the product specifications without prior notice. Final specifications to be found in the user manual.