

QD2025 QD2050 QD2075 QD2100

QD2000 Series Class D

POWER AMPLIFIERS



QD2025

250W 100V Line

QD2050

500W 100V Line

QD2075

750W 100V Line

QD2100

1000W 100V Line

QD2000 series are high performance Class D power amplifiers with high efficiency and broad frequency range suitable for wide range of speakers, be it full range or EVAC speakers.

The in-built Auto Fault Sensing circuit provides dry contact for easy standby fault changeover and the RS485 data port is available for remote monitoring by Amperes PMX III software.

- **100V and 4 Ohm** outputs
- **High pass filter** for speaker protections
- **Auto fault sensor (AFS)** with dry contact
- High efficiency **Class D** power amplifier technology
- **AC and DC** operation for uninterrupted operation during power failure
- Built in **DC Soft Starter**
- **Switchable standby** input detection for lower consumption during DC back up
- **Remote monitoring** via RS485 data port, compatible with iPX500 data comm box

Technical Specifications

	QD2025	QD2050	QD2075	QD2100
Operating voltage	220 - 240V AC: 50/60 Hz or 21 - 30V DC back up supply			
Rated output (rms at 100V)	250W	500W	750W	1000W
Power consumption (240V AC)	350 VA (1.3A)	650 VA (2.6A)	1000 VA (3.9A)	1300 VA (5.1A)
Current consumption (24V AC)	15A	25A	40A	50A
DC back up standby current	1.2A (With standby off)			
Input sensitivity (100V out)	1V rms balanced input via phoenix connector (15k Ohm)			
Input link (buffered)	0 dB balanced line (10k Ohm)			
Input signal standby	Switchable auto detect / always ON			
Input HF filter	150 Hz @-3dB slop via DIP switch			
Output	100V line / 4 Ohm			
4 Ohm output voltage	50V			
Frequency response	60-20 KHz (+/- 3dB, 1 KHz)			
S/N ratio	> 68 dB			
THD + N	< 1%			
Protections	Thermal, short circuit, overload, AC and DC fuses, standby			
Cut off temperature	75°C			
Communications	RS485; 19.2 kbps			
Indicators	Signal, Temp, Fault, Power LEDs			
Fault relay	NO dry contact; 3A			
Cooling system	Auto temp controlled fan			
Operating temperature	-10° to 45°C			
Storage temperature	-40° to 70°C			
Humidity	95%			
Dimensions (W x H x D)	482 x 88 x 340 mm			
Net weight	6.8 kg	6.8 kg	7.0 kg	7.1 kg

Packing Information

Carton size : 550 (L) x 465 (W) x 180 (H) mm
 Gross weight : QD2025, 2050 - 8.40 kg
 : QD2075, 2100 - 8.60 kg
 1 unit per carton

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