QP2125
QP2250
QP2375
QP2500

125 / 250 / 375 / 500W 100V Line POWER AMPLIFIER WITH AFS

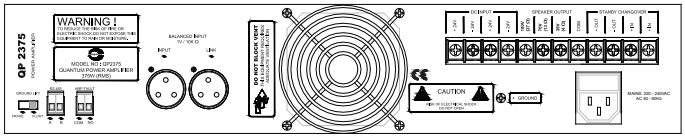
QP Series are available from 125W to 500W 100V line in 2 hu height, with enhanced circuitry for higher efficiency, better frequency response and with extra protection features. It is digitally controlled and thus enable the unit to be monitored and controlled remotely via RS485. They can be linked to PMX II LAN software for remote setting and monitoring, enabling control flexibility for the user.

Another distinctive feature is its Auto Fault Sensor (AFS) circuitry which auto detects faulty output of the unit and would enable a dry contact to initiate an alarm for fault. The internal Fault Standby Changeover relay would allow a faulty unit to be taken over by a standby amplifier if one of the duty amplifiers failed. A feature that reduces the equipment count in the system as well as reducing cabling complexity.

Features

- Available in 125 / 250 / 375 / 500W 100V line output in compact 2hu height
- Digital setting for various control features such as bass, treble, fan speed, etc
- Built in Auto Fault Sensor and Changeover relay for standby fault changeover
- RS485 data port for remote monitoring
- Fan speed option ensures longer lifespan of the unit
- Overload, thermal cut off, short circuit and fuse protections
- High efficiency for lower power consumption and lesser back up battery capacity

Rear View:



Packing information

Qty per carton : 1 unit

W x H x D : QP2125 / QP2250 / QP2375 / QP2500
: 550 x 180 x 455 mm

Weight : QP2125 - 13.7 kg
QP2250 - 15.0 kg
QP2375 - 18.0 kg
QP2500 - 20.2 kg

Technical Specifications

	QP2125	QP2250	QP2375	QP2500
Operating voltage	220 - 240V AC or 24V DC back up supply			
Power consumption (240V ac)	290VA (1.0A)	440VA (1.8A)	580VA (2.4A)	720VA (3A)
Current consumption (24VDC)	8A	15A	20A	25A
Standby current (24VDC)	0.3A	0.31A	0.32A	0.35A
Input signal	1V / 10 K ohm; balanced via XLR female			
Input gain control	-40 to 0 dB			
Rated output (100V, RMS)	125W	250W	375W	500W
4 ohm output voltage	22.3V	31.6V	38.7V	44.8V
Output impedance (max load)	80 Ohm	40 Ohm	27 Ohm	20 Ohm
Frequency response @ 1 KHz +/-3 dB	70 Hz - 15 KHz			
S/N ratio	>70 dB @ 1 KHz, 1V			
THD + N	<0.18 %			
Protections	Thermal, Short circuit, Overload, Fuse			
Cut off temperature	75 Deg C			
Cooling system	Auto temperature controlled fan speed with auto on			
Indications	LCD with temp, audio level and address			
Communication	RS485, 19.2 kbps			
Fault sensing	Internal Pilot Tone, Detection at 15 to 25 secs at 10 secs intervals			
Fault detection response	Standby amplifier relay activation, fault dry contact			
Dimension (W x H x D)	482 x 88 x 335 mm			
Net Weight	12.3 kg	13.5 kg	16.5 kg	18.8 kg