

## QUANTUM SERIES WITH AFS AND CHANGEOVER

**QP2125** | 125W 100V

**QP2250** | 250W 100V

**QP2375** | 375W 100V

**QP2500** | 500W 100V



The new generation of amplifiers from Amperes ... QP2000 Series. Features offered surpassed the needs of most installation, as they are carefully designed by listening to the feedbacks from installers throughout the years and built according to the stringent requirements of users.

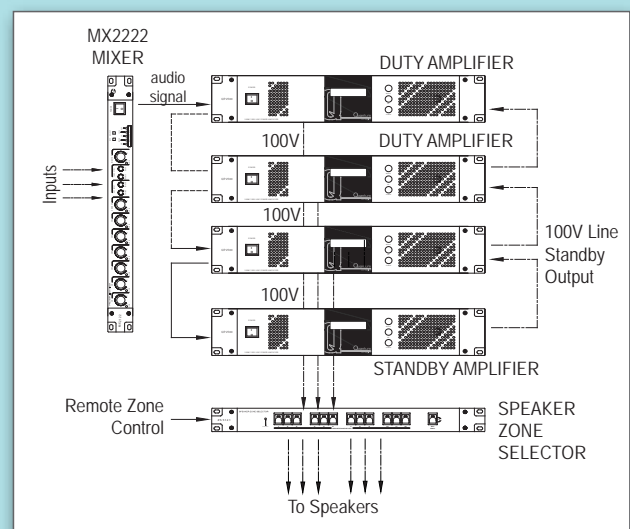
Available in various ratings from 125W to 500W 100V line in compact 2 hu height, the new circuitry has been further enhanced, incorporating digital settings for tone preferences and other control features, higher efficiency, better frequency response and extra protection circuitries. Each unit is addressable with RS485 output port. With monitoring software, the conditions and setting of the installed amplifiers can be conveniently monitored. Another distinguished feature is its built in AFS with Fault Changeover mechanism, thereby providing simpler interconnections for Automated Fault Changeover setup, and definitely lower BOQ.

QP series would definitely enhance your setup, providing years of reliable service and with Amperes' star rated service, you can be assured of getting the only right product in the market.

### 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
- 2hu height for lesser rack space

### APPLICATION SCHEMATIC :



### TECHNICAL SPECIFICATIONS :

	QP2125	QP2250	QP2375	QP2500
Power requirement	230 / 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)	0.2A	0.25A	0.3A	0.32
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	70 Hz - 15 KHz @ 1 KHz +/- 3 dB			
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 (kg)	12 kg	13 kg	16 kg	18 kg
Gross Weight (kg)	13.2 kg	14.2 kg	17.2 kg	19.2 kg