

Architects' and engineers' specifications

The 4-channel amplifier shall have a total power of 600 W, be able to adapt the power of the output channels with power sharing in either 4-ohm, 8-ohm, 70 V or 100 V conditions on any channel simultaneously. The amplifier housing shall be a 1 rack unit size design. The amplifier shall have a thermal design that can operate as passive cooled device, but also be able to activate forced air-cooling when required under extreme conditions, to avoid reduction in available power. The reliable thermal operating range of the device shall be < 45 °C without reduction or shutdown. The amplifier shall have an automatic power down mode that can be turned on or off with a standby consumption of < 1 W. The amplifier shall also have a low power consumption feature whereby significant power consumption is reduced maintaining the output modulation suitable for background music. The amplifier shall be able to connect audio as either input or through to other devices using the AES72-1E wiring protocol. The amplifier shall be equipped with a PFC power supply and protections to ensure reliable and safe operation including High Frequency Limiter (HFL), Output Current Limiter (OCL), Rail Supervision Limiter (RSL), High Frequency Protection (HFP), DC Protection (DCP), Over Current Protection (OCP), Mains Fail Protection (MFP), Output Balance Protection (OBP), Over Temperature Protection (OTP), Over Voltage Protection (OVP). The amplifier shall be the Dynacord V600:4 power amplifier.