QUANSER
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VOLTPAQ-X1, -X2, and -X4

Reliable linear voltage amplifier for superior real-time Hardware-in-the-Loop (HIL) performance

The VoltPAQ line of portable Quanser amplifiers is designed for complex controls configurations related to educational or research needs. These linear DC voltage-controlled power amplifiers are designed to achieve high performance with Hardware-In-The-Loop (HIL) applications. A dependable real-time platform can be created by pairing a VoltPAQ amplifier with a Quanser data acquisition board and QUARC control design software. These power amplifiers can drive Quanser experiments or other motors or actuators through easy-connect terminal boards and cables. Additionally, VoltPAQ amplifiers can power up to four analog sensors and route the sensor outputs to a data acquisition device.

VoltPAQ-X1

VoltPAQ-X2

VoltPAQ-X4

Device Specifications

	VoltPAQ-X1	VoltPAQ-X2	VoltPAQ-X4
Amplifier type	Linear (voltage controlled)		
Number of outputs	1	2	4
Amplifier gain toggle switch	1 V/V and 3 V/V		
Maximum continuous DC voltage (per channel)	±24 V		
Maximum continuous DC current (per channel)	4 A		
Continuous output power (per channel)	100 W		
Current sense (per channel)	1 V/A		
On-board power for 4 external analog sensors	±12 V, ±1.5 A		
Supply AC voltage	100-127 VAC or 220-240 VAC		
Dimensions (L x W x H)	0.2 x 0.18 x 0.1 m	0.39 x 0.33 x 0.1 m	0.39 x 0.33 x 0.1 m
Mass	1.92 kg	4.42 kg	5.44 kg