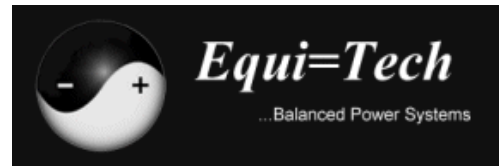

Wall Cabinet Systems



Product Information

Award winning Equi=Tech Wall Cabinet Systems are factory preassembled power distribution centers for hard wiring balanced AC power in a facility - a complete balanced power distribution system in a wall cabinet. Only minimal installation is required eliminating many expensive hours of labor and electrical parts. All the necessary components such as transformer, breakers, GFCIs, surge protectors and line filters are factory assembled and factory prewired using only the highest quality materials and components.



Wall systems are designed to blanket an entire facility with clean and phase coherent balanced AC power that remains stable regardless of how they are loaded down. 5, 7.5, 10, 15 and 20 kVA sizes provide 50, 75, 100, 150 or 200 amps respectively - ideal capacities for most studios or modestly sized theaters or auditoriums. These systems utilize the same precision toroid isolation transformers as Equi=Tech rack systems but they are much larger with a greater capacity. Wall systems maintain an extremely clean grounding system regardless of how much equipment is brought in, turned on and used at one time in a studio.

Wall system's components are housed in a sturdy NEMA 12 steel cabinet and feature a rugged industrial-duty AC distribution panel board with commercial grade circuit breakers, transient voltage surge protection and ground fault circuit interrupters. The 20WQ has a 2-part cabinet with an additional lower section that houses the transformer. All of the cabinets are gray with a chrome latching handle and an enamel white interior. Wall cabinet systems are approved safe and are ETL listed in compliance with ANSI/UL Std. 1012 for power distribution equipment.

All of Equi=Tech's Wall Cabinet Systems are built around Equi=Tech's revolutionary "Q-type" isolation transformers. They are also wound with exceptionally low line impedance and include two Faraday shields for superior isolation (>100dB CMR) from high frequency RF and current harmonics. "Q" transformers also remain acoustically quiet even in locations where there is considerable line distortion and poor power quality. They are much larger than standard toroids with the same load rating and run barely warm at near full capacity. A proprietary winding design drastically reduces high inrush current and also provides for distortion-free playback performance under the most demanding load conditions. Their performance is exceptional where power hungry amplifiers might otherwise choke during high peak current demands using a conventional supply. Q transformers add tightness and amazing definition to low end playback. They are a must for recording studios that do a lot of mastering work.



Standard Wall Cabinet Systems

Model No.	Output V	Main CB Output	# Circuits	GFCI Protection	Surge Protection	Input Line	Weight
5WQ	120/60V	50A	6-20A	yes	240 Joules	30A 208/240V 60Hz	285 lbs.
5WQ-E	230/115V	30A	6-20A	n/a	240 Joules	30A 230V 50/60Hz	295 lbs.
7.5WQ	120/60V	70A	6-20A	yes	240 Joules	40A 208/240V 60Hz	298 lbs.
7.5WQ-E	230/115V	40A	6-20A	n/a	240 Joules	40A 230V 50/60Hz	310 lbs.
10WQ	120/60V	100A	10-20A	yes	240 Joules	50A 208/240V 60Hz	327 lbs.
10WQ-E	230/115V	50A	10-20A	n/a	240 Joules	50A 230V 50/60Hz	340 lbs.
15WQ	120/60V	150A	20-20A	yes	240 Joules	80A 208/240V 60Hz	467 lbs.
15WQ-E	230/115V	80A	20-20A	n/a	240 Joules	80A 230V 50/60Hz	484 lbs.
20WQ	120/60V	200A	20-20A	yes	240 Joules	100A 208/240V 60Hz	497 lbs.
20WQ-E	230/115V	100A	20-20A	n/a	240 Joules	100A 230V 50/60Hz	514 lbs.

Wall Cabinet System Options

F -- EMI/RFI filter option* -- Filters are applied to the balanced output. Where a balanced power system's common mode noise rejection rolls off, EMI/RFI filtering begins. Some equipment power supplies are not very well balanced so some high frequency AC interference differs from typical power harmonics making these balanced multi-stage line filters a fine compliment to a balanced power system. Sensitive digital electronics in a system may require additional line filtering for best performance. Switching digital power supply noise is attenuated on the line and kept isolated from outlets that power other sensitive electronics. These filters reduce line noise -30dB from 100kHz to 2GHz.

OFC -- Oxygen-free copper wiring is used throughout the wall system assembly. Hand-made oxygen-free copper wiring jumpers and wiring harnesses are used in the assembly process that help to minimize high frequency current distortion. This method of wiring effectively increases the bandwidth of noise attenuation, especially compared to ordinary copper wire.

* When specifying multiple filters, use suffix -F2, -F3, etc. after model number to indicate the number of filtered circuits



Model 10WQ
Dimensions: 42" H x 30" W x 8" D



Model 20WQ
Dimensions: 48" H x 36" W x 8" D
Lower transformer cabinet not shown: 30"H x 24"W x 12"D