

POWER DELEGATOR

Series 7200A

POWER DISTRIBUTION WITH NOISE SUPPRESSION

The Power Delegator Series 7200A POWER DISTRIBUTION UNIT is a device that provides not only power distribution and voltage conversion but also power conditioning. The Power Delegator can be easily implemented and installed quickly where there is a need for power distribution to computer rooms or any other assembly of electronic equipment that would be subject to electrical noise and transient problems.

The Series 7200A is a 3 phase power distribution system available in sizes from 10 to 225 kVA. Each Power Distribution unit includes the following **Special Features:**

NON LINEAR LOAD CAPABILITIES

The Power Delegator addresses harmonics produced by non-linear loads with specially designed magnetics and over sized neutral conductor. K-13 & K-20 Rated units are available in extreme cases of high harmonic content.

LIFT OFF FRONT DOOR

Each Power Delegator, including Side Cars, have a lift off door, allowing for easier installation.

HINGED INNER DOOR

Each Power Delegator, including Side Cars, have a hinged, lift off, inner access door to the distribution circuit breakers allowing for easy installation.

HEAVY DUTY CABLE TRAYS

All units have heavy duty cable landing trays with the most comprehensible array of knockouts in the industry.

UNIT ADD-ONS

The Power Delegator expansion capabilities include up to two side cars(2 panel boards per car), extending the output circuit breaker capacity to 252 poles, and adding 2 additional panel boards to the standard front access distribution.



System Description

The Series 7200A Power Distribution Unit is used for power distribution in computer rooms or where other sensitive electronic equipment installations require protection from electrical noise and transients.

The system consists of a junction box, main input circuit breaker with shunt trip,

shielded - all copper isolation transformer and a distribution system with a wide selection of optional output receptacle terminated cables. The shielded isolation transformer serves the function of isolation, voltage transformation, new ground source and noise attenuation on the order of 126dB.

Specifications

- Transformer -All copper (Double shielded) 200° C Insulation
- Impedance: 3% - 5%
- 126dB Common Noise Attenuation
- Operating temperature: 0 to 40C
- Efficiency: 97% - 98%
- Taps: Two 2.5% Above Nominal
Four 2.5% Below Nominal

Standard Equipment

- Input junction Box
- Double Shielded Copper Transformer
- Main Input Circuit breaker with shunt trip
- 42 Pole Breaker Panel (Plug-in/Bolt-on)
- Copper Grounding Bus
- Basic Power System Analyzer I
- Integral Emergency Power Off
- Transformer Over Temp Alarm & Shutdown

Optional Equipment

- The Series 7200A has a wide variety of optional equipment & monitoring available.

KVA	INPUT BREAKER SIZE			No. of Poles	Maximum Poles	Max Poles w/sidecars	BTU/Hr	Weight	Cabinet
	208	480	600						
10	40	20	15	42	42	126	1364	695	A D A
15	60	30	20	42	42	126	2046	800	25.5' W
20	80	35	25	42	42	126	2728	855	33' D
30	110	50	40	42	42	126	4092	980	60' H
50	200	80	70	42	42	126	6820	1100	
10	40	20	15	42	84	252	1364	695	B D A
15	60	30	20	42	84	252	2046	825	33.5' W
20	80	35	25	42	84	252	2728	855	37' D
30	110	50	40	42	84	252	4092	980	66.5' H
50	200	80	70	42	84	252	6820	1100	
75	300	125	100	42	84	252	10230	1430	
100	400	175	125	42	84	252	13640	1660	
125	500	200	175	42	126	294	17050	1740	C D A
150	600	250	200	42	126	294	20460	1940	45' W
175	700	350	250	42	126	294	23870	2090	37' D
225	800	400	300	42	126	294	30690	2320	66.5' H


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