



POWERHOUSE DISTRIBUTIONS

P.O Box 2100, Bedfordview, 2008, South Africa
 Tel : +27 11 346 1812 Fax :+27 11 346 1818
 e-mail : info@phdpowerhouse.co.za
 Website : www.phdpowerhouse.co.za

Voltage Stabilisers - Electrovolt: Telepower

FEATURES:

- Wideband voltage regulation range ($\pm 25\%$).
- True RMS voltage sensing ensures accurate regulation even with distorted mains (eg diesel generator).
- Regulates individual phases to within 5% with input variations of up to $\pm 25\%$.
- High capability to temporary overloads (eg aircon units, power supplies etc).
- Over/Under voltage cut-out protects sensitive loads.
- TVSS Surge protection.
- Volt meter (optional).
- High efficiency - approximately 98% at full load.
- Rugged and reliable.

APPLICATIONS:

- Transmissions and telecommunications
- Radar systems in naval or air navigation
- Process controls
- Computer data processing & numerical control machines
- Photography controls and processes
- Laboratory equipment
- Test equipment
- Electric furnaces
- Illumination
- Medical equipment
- Any electrical or electronic sensitive to voltage variations

SPECIFICATIONS:

Nominal Input Voltage	: 400/230vac 50/60 Hz +/- 25% (3 Wire)
Nominal Output Voltage	: 400/230vac 50/60 Hz +/- 5% (4 Wire)
Over Voltage Cut-off at	: 290V input voltage under normal operation (L-N) (U out 230V) 250V input voltage under bypass operation (L-N) (U out 230V)
Under Voltage Cut-off at	: 160V input voltage under normal operation (L-N) (U out 230V) 200V input voltage under bypass operation (L-N) (U out 230V)
Output Voltage Accuracy	: 5%
Overload Rating	: 120% for 60mins; 200% for 10 sec
Efficiency	: 98% at full load
Earthing	: The input earth is bonded to the enclosure
Speed Correction	: +/- 20 milliseconds
Waveform Distortion	: Negligible
Effect of load Power Factor	: None
Maximum Continuous Voltage	: 300V
Nominal Discharge Current	: 40kA
Impulse Current Limp (10/350us)kA	: 12kA
Voltage Protective Level	: ≤ 2.0
Response Time	: $\leq 100ns$
Environment	: Protection class IP21 (indoor enclosure); IP54 (outdoor enclosure)
Ambient Operating Temperature	: 0°C to +45°C
Operating Elevation	: 1000m, over 1000m derate by 2.5% for each 500m



Model	Description	Rating	Current	Dimensions (L x W x D mm)	Weight
APS-15kVA-ID	Indoor - 15kVA	15kW	66A (Max)	700 x 385 x 1100	210kg
APS-22.5kVA-ID	Indoor - 22.5kVA	22.5kW	96A (Max)	700 x 385 x 1100	226kg
APS-30kVA-ID	Indoor - 30kVA	30kW	132A (Max)	700 x 385 x 1100	236kg
APS-15kVA-OD	Outdoor - 15kVA	15kW	66A (Max)	775 x 465 x 1210	216kg
APS-22.5kVA-OD	Outdoor - 22.5kVA	22.5kW	96A (Max)	775 x 465 x 1210	232kg
APS-30kVA-OD	Outdoor 30kVA	30kW	132A (Max)	775 x 465 x 1210	242kg

Note: Higher ratings available on request