

Alphapower

The APS series line conditioner has a **high input voltage window** with **high overload capacity** and **very high efficiency**. Fitted **with high energy surge absorbers** and LC filters, with the option to add EMI filters and an isolation transformer, this line conditioner offers clean and **constant AC power output**. **System reliability, performance** and **automation** are increased with digital control and the modular design of the unit/s.

Some key features include:

- High input power factor
- High Efficiency
- High overload capacity
- Green energy
- EMI protection
- Low THD
- Fast response time
- Bypass, overload and over voltage protection
- Phase voltage regulation
- Wide input voltage range



Product Specifications

| Model | APS-33010 | APS-33015 | APS-33022 | |
|---------------------------------|----------------------------|--|--------------|--|
| Capacity | 45kVA | 60kVA | 75kVA | |
| AC Input | Phase | Three Phase | | |
| | Voltage | 208V/120V, 480V/277V | | |
| | Voltage Range | ± 18% (± 25% optional) | | |
| | Frequency | 47 – 63 Hz | | |
| | Power Factor | 0.95 – 1 | | |
| AC Output | Phase | Three phase | | |
| | Voltage | 208V/120V, 480V/277V | | |
| | Frequency | Same as input | | |
| | Power Factor | ± 0.7 – 1 | | |
| | Efficiency | ≥ 98% @ full load No load energy power consumption ≤ 2% | | |
| | Regulation | Line | ± 1% – ± 2% | |
| | | Load | ± 1% – ± 2% | |
| | Harmonic Distortion | ≤ 1% (additional waveform distortion) | | |
| | Response Time | ≤ 4ms/step | | |
| | Overload Capacity | 200% for 10sec, 500% for 50ms | | |
| Display & Protection | Voltmeter | Displays 0 – 300V _{AC} for each phase | | |
| | Ammeter | Displays RST load current | | |
| | LED | Power abnormal, output voltage high/low, auto bypass supply | | |
| | Over Range | Auto power off (optional) & LED indicator | | |
| | Overload | 150% for 15sec, 130% for 30sec, 110% for 300sec | | |
| | Over/under Voltage | Alarm (optional) and Auto power off (optional) | | |
| | Auto Bypass | LED indicator and alarm | | |
| | Noise Suppressors | High energy surge absorber, LC filter, EMI filet (optional) | | |
| | R.S.T Phase Failure | LED indicator (optional), alarm (optional) and auto power off (optional) | | |

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|-----------------|--------------------------------|-------------------------|------------------------|---------------------|------------|
| Physical | Connections | | Terminal | | |
| | Cooling | | Fan cooling | | |
| | Audible Noise | | ≤ 55dBA | | |
| | Weight Kg (lbs.) | Δ → Δ Connection | 308 (679) | 320 (705) | 350 (772) |
| | | Δ ↔ Y Connection | 360 (794) | 464 (1023) | 600 (1323) |
| | | Y → Y Connection | 190 (419) | 230 (507) | 270 (595) |
| | Dimensions W x D x H | Δ → Δ Connection | 450 x 800 x 1300 mm | 450 x 800 x 1500 mm | |
| | | | 14" x 26" x 54" | 18.5" x 31.5" x 59" | |
| | | Δ ↔ Y Connection | | 450 x 800 x 1500 mm | |
| | | | | 18.5" x 31.5" x 59" | |
| | Y → Y Connection | 355 x 660 x 840 mm | 450 x 800 x 965 mm | | |
| | | 14" x 26" x 22" | 18.3" x 31.5" x 38" | | |
| | Ambient Operation | | 0 – 40°C (32 – 104°F) | | |
| | Humidity | | 0 – 95% non-condensing | | |