

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	APS-33030	
Capacity	10kVA	15kVA	22kVA	30kVA	
Phase	Three Phase				
Voltage	208V/120V, 480V/277V				
Voltage Range	± 18%		± 18% (± 25% optional)		
Frequency	47 – 63 Hz				
Power Factor	0.95 – 1				
AC Input	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% – ± 4%	± 1% – ± 2%	
		Load	± 1% – ± 4%	± 1% – ± 2%	
	Harmonic Distortion	≤ 1% (additional waveform distortion)			
	Response Time	≤ 4ms/step			
	Overload Capacity	200% for 10sec, 500% for 50ms			
AC Output	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	No fuse breaker	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)			
	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		No fuse breaker	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)			

		Connections		Terminal		
		Cooling		Natural cooling	Fan cooling	
		Audible Noise		≤ 50dBA	≤ 55dBA	
Physical	Weight Kg (lbs.)	Δ → Δ Connection	142 (313)	178 (392)	201 (443)	245 (540)
		Δ ↔ Y Connection	164 (362)	190 (419)	251 (553)	301 (664)
		Y → Y Connection	80 (176)	85 (187)	100 (220)	150 (331)
Dimensions W x D x H	Δ → Δ Connection		355 x 660 x 1360 mm		14" x 26" x 54"	
	Δ ↔ Y Connection		355 x 660 x 1360 mm		14" x 26" x 54"	
	Y → Y Connection		355 x 660 x 840 mm		14" x 26" x 33"	
		Ambient Operation		0 – 40 ⁰ C (32 – 104 ⁰ F)		
		Humidity		0 – 95% non-condensing		