

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-11020	APS-11030	APS-11050	APS-11080	APS-11100
Capacity	20kVA	30kVA	50kVA	80kVA	100kVA
AC Input	Phase		Single Phase		
	Voltage		115V / 120V		
	Voltage Range		± 18% (± 25% optional)		
	Frequency		47 – 63 Hz		
	Power Factor		0.95 – 1		
AC Output	Phase		Single phase		
	Voltage		115C / 120V		
	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		YES		
	Ammeter		YES		
	LED		Power abnormal, output voltage high/low, auto bypass supply		
	Over Range		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 filter (optional)			
Physical	Connections		Terminal	Terminal	
	Cooling		Fan cooling		
	Audible Noise		≤ 50dBA	≤ 55dBA	
	Weight & Size		Please see table on following page		
	Ambient Operation		0 – 40°C (32 – 104°F)		
Humidity		0 – 95% non-condensing			

MODEL	220 → 220V System		110 ↔ 220V System	
	Weight Kg (lbs)	Dimensions (mm) (W x D x H)	Weight Kg (lbs)	Dimensions (mm) (W x D x H)
APS-11020	75 (165)	300 x 560 x 660 mm 11.8" x 22" x 26"	180 (397)	450 x 800 x 965 mm 18.3" x 31.5" x 38"
APS-11030	140 (309)	355 x 660 x 840 mm 14" x 26" x 33"	250 (551)	450 x 800 x 965 mm 18.3" x 31.5" x 38"
APS-11050	270 (595)	450 x 800 x 965 mm 18.3" x 31.5" x 38"	-	-
APS-11080	390 (860)	600 x 900 x 965 mm 23.6" x 35.5" x 38"	-	-
APS-11100	430 (948)	600 x 900 x 965 mm 23.6" x 35.5" x 38"	-	-