

Secure Power – UPSource Uninterruptible Power Sources 38kVA-664kVA



Reliable, uninterruptible power source that provides 100% up-time with no reliance on electrical utility.

- 99.999998% demonstrated MTBF for C65 installations
- Ultra-low emissions: meets NY, CA and other requirements
- On average, 20% less cost than traditional UPS in N + 1 requirements
- 90%+ efficiency achievable when combined with heating and cooling applications
- 4th generation, fully engineered, proven power technology
- Makes “flywheel” and DC-stored energy systems obsolete
- Operates on natural gas: An inexhaustible fuel supply (urban areas)
- Never outgrow your UPS system; 65kW power module increments
- Eliminates need for expensive, climate-controlled space
- One moving part: Minimal maintenance and downtime
- Patented air bearing: No lubricating oil or coolant
- Design life: 80,000+ hours

Prominent Companies Turn to Capstone’s Secure Power

Nine Capstone C60 Turbines atop a 10-story parking structure in downtown Houston ensure round-the-clock power security for a world-renowned engineering and construction company's datacenter.

Southeast of downtown Houston, a Boeing Company administration building uses multiple Capstone Turbines 24/7 as the prime power source for the building's data/telecom systems, with the utility grid serving as the backup source.



Reliable power when and where you need it. Clean and simple.

Electrical Characteristics⁽¹⁾

	UPS-35	UPS-80	UPS-250	UPS-580
kVa/Kw	38/30	83/65	249/195	581/455
Expandable to	76/60	332/260	664/520	800A
Max Current Out	92A	200A	400A	800A
Voltage	380 to 480 VAC for all models			
Electrical Service	3-phase, 3 or 4 wire for all models			
Frequency	50/60 Hz for all models			
Electrical Output Type	IGBT Inverter for all models			
THD Standard	IEEE 519 for Current for all models			

Physical Characteristics

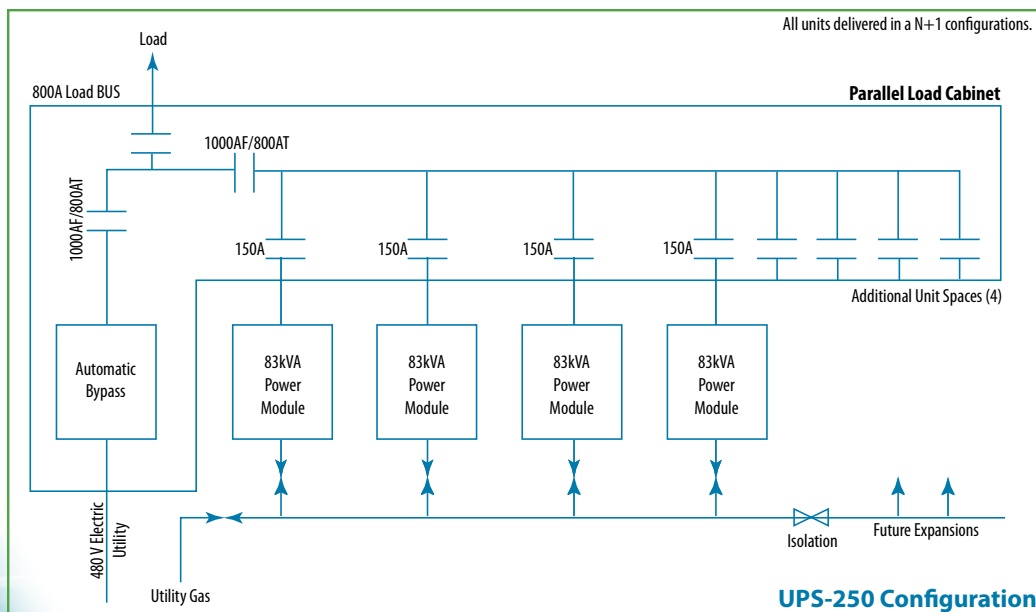
	UPS-35	UPS-80	UPS-250	UPS-580
Installation Area				
Width	2591 mm (102 in)	2591 mm (102 in)	4268 mm (168 in)	7620 mm (300 in)
Depth	7620 mm (300 in)	7620 mm (300 in)	7620 mm (300 in)	7620 mm (300 in)
Weight	577 kg (1271 lb)	1121 kg (2471 lb)	2242 (4942 lb)	4484 kg (9884 lb)
Environment	Outdoor for all models			

Fuel Characteristics⁽¹⁾

	UPS-35	UPS-80	UPS-250	UPS-580
Fuel Input	Natural Gas for all models			
Fuel Inlet Pressure ⁽²⁾	0.2 - 50 psig	5 - 75 psig	5 - 75 psig	5- 75 psig
Fuel Consumption ⁽³⁾	433 scft/hr	842 scft/hr	1684 scft/hr	3368 scft/hr
Emissions	NOx <5 ppmV @ 15% O ₂ for all models CO <130 ppmV @ 15% O ₂ for all models NMHC <20 ppmV @ 3% O ₂ hexane for all models			

Certifications

	UPS-35	UPS-80	UPS-250	UPS-580
UL Recognized Power Electronics 1741/IEEE 1547		X	X	X



(1) Unless otherwise noted, values are full power nominal at ISO conditions

(2) May require optional gas compressor

(3) Fuel consumption is for base system (no expansion) and is calculated for natural gas operation (1000 BTU/scf HHV)

Specifications are not warranted and are subject to change without notice.

