

Fuel Cabinet — 300 Series

Altergy's Fuel Cabinets utilize either standard steel cylinders (6 or 9 each) or Altergy's advanced composite fuel storage tanks (2 or 4 each).

The Fuel Storage Modules feature welded aluminum, powder coated, weather tight construction and full width, swing open front doors.

Altergy's advanced ultra high pressure (UHP) composite fuel tank solution provides more fuel storage capacity in the same space when compared to standard steel cylinders, and has the added capability of being refilled onsite.

Their compact footprint and light weight make composite tanks ideal for small spaces or rooftop applications.



6-Bay Steel Cylinders
Fuel Storage Module
(Model # 330)



2-Bay Composite Tanks
Fuel Storage Module
(Model # 320)



9-Bay Steel Cylinders
Fuel Storage Module
(Model # 310)



4-Bay Composite Tanks
Fuel Storage Module
(Model # 300)

Fuel Cabinet Specifications

Steel Cylinders in Cabinet		6 Steel Cylinders – Model # 330	9 Steel Cylinders – Model # 310
Physical	Dimensions: (w x d x h)	25" x 41" x 72" / 64 cm x 104 cm x 183 cm	37" x 41" x 72" / 94 cm x 104 cm x 183 cm
	Set-Back Clearance Area: ¹	Contact customer service or AHJ ¹	Contact customer service or AHJ ¹
	Weight:	233 lbs / 106 kg (without cylinders)	309 lbs / 140 kg (without cylinders)
Performance	Storage Pressure:	2,200 psig / 155 kg/cm	150 – 2,200 psi / 155 kg/cm
	Capacity:	6.61 lbs / 3 kg	9.92 lbs / 4.5 kg
	Support:	40.6 kW – hr	61 kW – hr
	Support @ 5 kW:	8 hr	12 hr
Operation	Location:	Outdoor	Outdoor
	Fill Interface:	CGA-350	CGA-350

Composite Tanks in Cabinet		UHP - 1 (1 Tank) – Model # 325	UHP - 3 (3 Tanks) – Model # 305
		UHP - 2 (2 Tanks) – Model # 320	UHP - 4 (4 Tanks) – Model # 300
Physical	Dimensions (w x d x h):	25" x 41" x 72" / 64 cm x 104 cm x 183 cm	37" x 41" x 72" / 94 cm x 104 cm x 183 cm
	Set-Back Clearance Area: ¹	Contact customer service or AHJ ¹	Contact customer service or AHJ ¹
	Weight:	550 lbs / 250 kg (with cylinders)	880 / 400 kg (with cylinders)
Performance	Storage Pressure:	3,600 psig / 250 bar	150 – 3,600 psig / 250 bar
	Capacity:	11.6 lbs / 5.25 kg	23.15 lbs / 10.5 kg
	Support:	76 kW – hr	152 kW – hr
	Support @ 5 kW:	15 hr	30 hr
Operation	Location:	Outdoor	Outdoor
	Fill Interface:	SAE J2600 @ 250 bar	SAE J2600 @ 250 bar

1. Height clearance is in accordance with NFPA 55 and NFPA 853 based on siting location.

NOTE: Determine storage demand below and choose corresponding catalog number.

Estimated Runtime Hours						
kW Output	6 Steel Cylinders Model # 330	9 Steel Cylinders Model # 310	UHP - 1 (1 Tank) Model # 325	UHP - 2 (2 Tanks) Model # 320	UHP - 3 (3 Tanks) Model # 305	UHP - 4 (4 Tanks) Model # 300
5	8.5	12.8	7.5	15.0	22.5	30.0
10	4.3	6.4	3.8	7.5	11.3	15.0
15	2.8	4.3	2.5	5.0	7.5	10.0
20	2.1	3.2	1.9	3.8	5.6	7.5
30	1.4	2.1	1.3	2.5	3.8	5.0

Steel Cylinders based on 500 grams (200 scf) per cylinder at 150 bar (2,200 psig)

Composite Tanks based on 2.62 kilograms (1108 scf) per tank at 250 bar (3,625 psig)

Based on 60 grams per kW-hr

Only one fuel storage module per two engines maximum without additional options — due to flow capacity

Steel cylinder weight: 110 pounds / 50 kg each

Composite tank weight: 125 pounds / 57 kg each



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