

## APS550 Power Module

1. Utilizing Caterpillar C18 Generator Set, Rated 550 KW Stand-by, 500KW Prime
2. 20 Ft ISO Container with 3 personnel access doors with sound attenuation
3. Twenty-Foot tandem axle chassis with spring ride suspension and ABS brakes. Meets all DOT, FMVSS, ANSI, SAE, and TTMA specifications at time of manufacture. Rated 65,000 Lbs GVWR.
4. 3 KW 120 VAC jacket water heater with 30 amp Twist-Lok shore power plug.
5. 5 amp 24 VDC battery charger 120V and 900W 120V generator condensation heaters with 30 Amp Twist-Lok shore power provisions.
6. Exterior mounted customer connection with pad-lockable door, generator load bus to accept 4 – 535 kcmil per phase and neutral, remote start/stop connection, door safety switch and ground stud.



7. Fixed blade intake louvers with sound diverters and rodent screen.
8. Cowl critical grade with thermal insulation silencer and flexible engine connection. Thermal insulation on exhaust piping from the engine turbochargers to the radiator discharge plenum.
9. Vertical radiator discharge plenum, with drain provisions through container floor and roof mounted screen.
10. Generator change –over board, Standard configuration of High Wye and Low Wye 480/240V three-phase.

11. Generator 2000 Amp three pole main circuit breaker, with adjustable LSI trip. User adjustable to 100% for 240 Volt applications and 50% for 480 Volt applications. 24 VDC Shunt Trip
12. Manual paralleling with load sharing, Includes device 25 paralleling relay, device 32 reverse power relay and load sharing governor. Synchronizing lights with on/off switch. 50 Ft umbilical cable for unit-to-unit load sharing. Umbilical cable incorporates a safety circuit in case it is accidentally severed that will trip off line any load sharing units connected with the affected cable All load sharing and synchronizing components are located within the EMCP 3.3 cabinet.
13. 600 Gallon double wall U.L.142 fuel tank with manual fill, sight gage, tank leak alarm, and low fuel level alarm. Tank and rupture drains. Engine fuel supply and return piping with flexible connections at tank and engine. Below listed run times starting with full tank of fuel.

	KW	fuel rate	run time hrs
	500	36.67	16.3621
	450	33.87	17.7148
	400	31.09	19.2988
	375	29.67	20.2224
	350	28.21	21.2691
	300	25.18	23.8284
	250	21.61	27.7649
	200	17.62	34.0522
	150	13.5	44.4444
	125	11.41	52.5855
	100	9.64	62.2407
	50	6.6	90.9091

14. On door personnel ladder storage with aluminum ladder fitted with 1 removable hand rail. Optional second personnel ladder
15. Hand held 10 Lb dry chemical fire extinguishers, located near each personnel door.
16. Incandescent 24 VDC interior lighting with 0-60 minute timer.

**Package Dimensions**

**Length** = 282” (23.5Ft)

**Width** = 96.00” (8 Ft)

**Height** = 152” (12 Ft 8” In)

**Weight w/o fuel** = Approx 29,000 Lbs

**Weight w/ fuel** = Approx 35,000 Lbs