

# PORTABLE UTILITY POWER (PUP™)

The perfect solution for continuous power needs and rugged applications.

Resource Power Group

RPG

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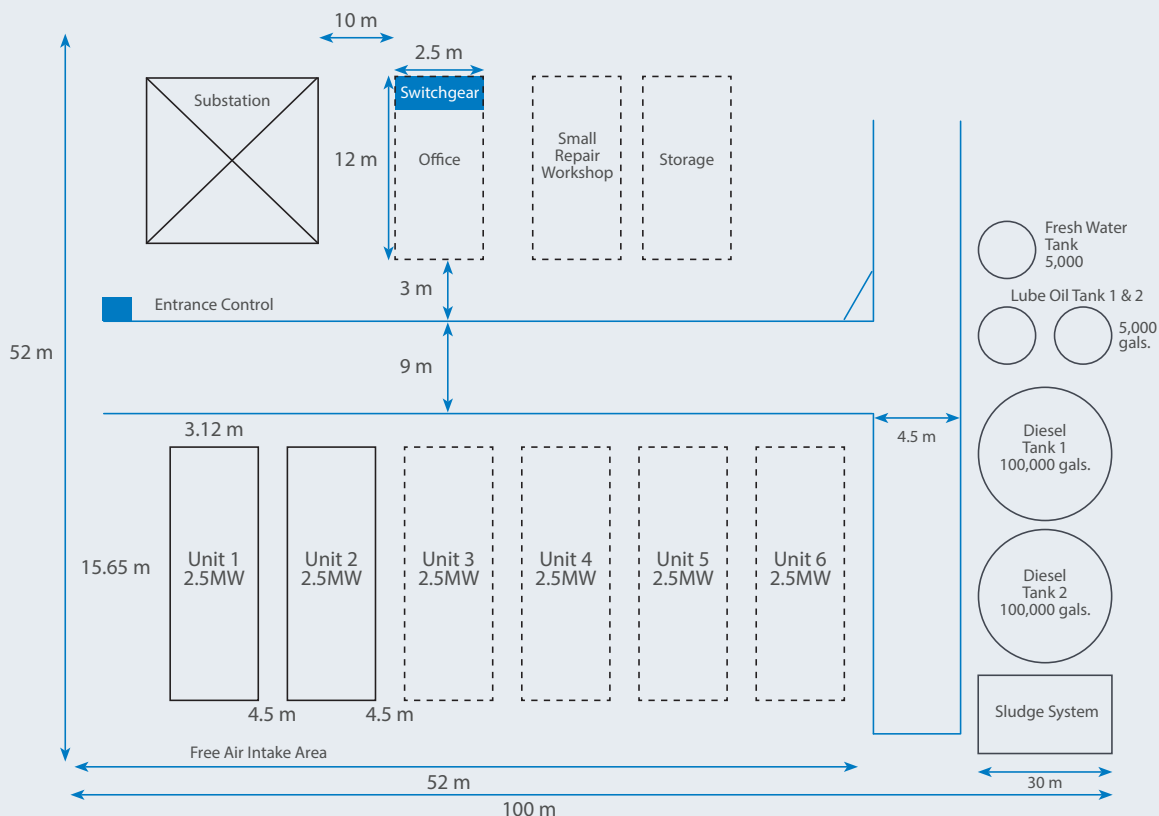
Resource Power Group's portable utility power (PUP™) unit is the perfect solution for power needs in remote and rugged applications. Each unit is capable of delivering either 2.5 or 2.0 MW of base load power in a low maintenance container ready to deliver to your specific location. These units are highly reliable at full load and usually available from stock.

The PUP™ 2.5, 2.0 and 1.5 are powered by an Electro-Motive (EMD) turbocharged model 645 diesel engine. Each unit has been upgraded with modern electronic controls. The units are designed to run on a 100% continuous duty cycle eliminating the need for a separate house as used in older MP45 configurations. They can be synchronized among multiple units.

The RPG PUP™ 2.5, 2.0 and 1.5 portable power units are an upgrade from the classic MP45 units which were packaged by various EMD dealers in the past. The PUP™ 2.5, 2.0 and 1.5 units eliminate the need for a separate control house because old relay logic has been replaced by microprocessor controls aggregating most engine and generator control functions. Modern Heinzmann, engine & generator products control the unit and allow for power management and paralleling.

## Turnkey Power Plants

RPG Can rapidly install complete turnkey power plants based on the PUP™ units, including site, generations, control and substation facilities.



## Applications

The PUP™ 2.5, 2.0 and 1.5 are ideal for grid support either at centralized power stations where larger plant construction is taking place or for distributed generation while transmission constraints are being resolved.

PUP™ units are typically deployed in continuous or base load duty cycle applications because the units are derived from heavy-duty cycle locomotive engines. PUP™ units are also used when heavy “block-loading” may occur because the two-stroke EMD engine design is superior for immediate torque delivery and quick response to load changes.

## Nominal Specifications

	PUP 2.5	PUP 2.0
RPM	900	900
Output (KW)	2500	2000
Peaking	2750	2200
Voltage (Volts)	4160	
Power Factor	0.8	
Phase	3	
Connection	Wye	
Bearing	Single Type Roller	
Hz	60	
Height*	13 ft	
Width*	12 ft	
Length*	50 ft	
Weight (Dry)*	133,000 lbs	120,000 lbs
Cylinders	20	16
Aspiration	Turbo Charged	Turbo Charged
Starting System	24 V DC Batteries or Air Start	Air Start

\*can easily be customized to meet specific customer requests

## About RPG

Resource Power Group (RPG) is the trade name for Louisiana Machinery Company LLC’s large, medium speed engine business. The company was established in 1933 and is a privately-owned business approaching \$1 Billion in annual revenues. RPG is an authorized distributor for EMD and MaK engines, for Mitsubishi and Napier turbochargers, and for Heinzmann and Regulateurs Europa governors and Noris controls.

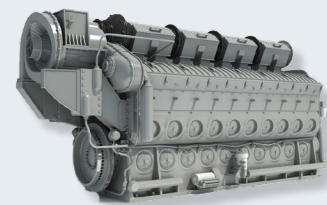
RPG, with offices in Houston, Miami, New Orleans, Ciudad del Carmen (Mexico), and Panama City (Panama), focuses on power, marine, gas compression, and industrial applications in the “Middle Americas” including the Southern US, Mexico, Central America, the Northern part of South America and the Caribbean islands.

## Applications

RPG can provide complete Start-up, Commissioning and O&M services for all PUP™ Installations.

## Service

RPG parts and service personnel are available 24-hours a day from its service facilities.



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