



Atrex Energy, Inc. Remote Power Generator Technical Data

	RP250	ARP500	ARP1000	ARP1500
Series	RP Series	ARP Series	ARP Series	ARP Series
Electricity Efficiency	~25%	~25%	~30%	~35%
DC Output Power Max	250W	500W	1000W	1500W
DC Output Voltage	12 or 24 VDC	2-60VDC	2-60VDC	2-60VDC
DC Output Current Max ¹	25A	100A	100A	100A
Operating Modes	Current Control (CC) Voltage Control (VC) Battery Charge (Bx, x=12, 24 or 48VDC)			
Start-up Time to Max Outpower Power	<60 minutes			
Propane Fuel Series P/N ²	RP250P	ARP500Px	ARP1000Px	ARP1500Px
Natural Gas Fuel Series P/N ²	RP250N	ARP500Nx	RP1000Nx	ARP1500Nx
CSA Certification Available	No	Yes	Yes	Yes
Fuel Cell Inlet Supply Pressure	2 psig - 5 psig (13.8kPa - 34.5kPa)			
Fuel Supply Pressure with High Pressure Regulator Kit (RP-HWN/RP-HWP)	10 psig - 125 psig (68.9kPa - 861.8kPa)			
Max Sulfur Content	<60ppmw (42mg/m ³)			
Max Water Content	<5000ppmv for standard system, non-condensing at operating temperature & pressure			
Fuel Consumption-Propane (HD5)	1.2G/day	2.4G/day	3.6G/day	5.2G/day
	4.5L/day	9.0L/day	13.5L/day	19.6L/day
Fuel Consumption-Natural Gas	116ft ³ /day	185ft ³ /day	298ft ³ /day	398ft ³ /day
	3.3m ³ /day	5.3m ³ /day	8.4m ³ /day	11.3m ³ /day
Operating Temperature	-40°C to +50°C (-40°F to +122°F)			
Storage Temperature	-40°C to +55°C (-40°F to +131°F)			
Humidity	5% to 95% (non-condensing)			
Operating & Storage Altitude	0 to 8,000 feet (2,438 meters)			
Unit Dimensions	22"x22"x39"	26"x22"x39"	26"x28"x39"	
(H x W x D)	(56cm x 56cm x 99cm)	(66cm x 56cm x 99cm)	(66cm x 71cm x 99cm)	
Unit Weight	280lbs (127kg)	293lbs (133kg)	351lbs (160kg)	358lbs (163kg)
Shipping Dimensions	45" x 46" x 38"		48" x 46" x 38"	
(H x W x D)	(114cm x 117cm x 97cm)		(122cm x 117cm x 97cm)	
Shipping Weight	346lbs (157kg)	359lbs (163kg)	419lbs (190kg)	426lbs (194kg)
Noise Levels (at 1m)	52dBA			
Fuel Connection-Propane into ARP-HWP	1/2" FNPT			
Fuel Connection-Propane into Fuel Cell	1/4" MNPT			
Fuel Connection-Natural Gas into ARP-HWN	1/2" FNPT			
Fuel Connection-Natural Gas into Fuel Cell	3/8" Swagelok type compression tube fitting			
Data Interface	MODBUS RTU via DB9 Connector (Requires RP-RS option)	MODBUS RTU via Terminal Strip (Requires ARP-RSC8 option)		
Local Computer Interface	RJ45			
Electrical Interface	Terminal Block 2/0 - 8 AWG			
Enclosure IP Category	IP23			
Enclosure Construction	Powder Coated Galvanized Steel			
Warranty	12 Months after Installation or 13 months after Date of Shipment			

¹ - Current will also be limited by maximum output power of unit

² - x = CSA Certification (C = CSA Certified, U = non CSA Certified)