

ARP Technical Specifications	RP250	ARP500	ARP1000	ARP1500
Electricity Efficiency	~25%	~25%	~30%	~35%
DC Output Power Max	250W	500W	1000W	1500W
DC Output Voltage	12 or 24 VDC	5-60VDC	5-60VDC	5-60VDC
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 Output Power	<60 minutes			
ARP Series P/N ²	RP250N or RP250P	ARP500xy	ARP1000xy	ARP1500xy
CSA Certified	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)	5 psig - 125 psig (35.5kPa - 861.8kPa)			
Max Sulfur Content	<60ppmw (42mg/m ³)			
Max Water Content	<5000ppmv for standard system, non-condensing at operating temperature and pressure			
Fuel Consumption-Propane (HD5)	1.5G/day 5.8L/day	2.4G/day 9L/day	3.6G/day 13.5L/day	5.2G/day 19.6L/day
Fuel Consumption-Natural Gas	116ft ³ /day 3.3m ³ /day	185ft ³ /day 5.3m ³ /day	298ft ³ /day 8.4m ³ /day	398ft 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 (H x W x D)	22"x22"x39" 59mm x 559mm x 991mm	26"x22"x39" (66cm x 56cm x 99cm)	26"x28"x39" (66cm x 71cm x 99cm)	
Unit Weight	280lbs (127kg)	293lbs (133kg)	351lbs (160kg)	358lbs (163kg)
Shipping Dimensions (H x W x D)	45" x 46" x 38" (114cm x 117cm x 97cm)	45" x 46" x 38" (114cm x 117cm x 97cm)	48" x 46" x 38" (121cm x 117cm x 96cm)	
Shipping Weight	346lbs (157kg)	359lbs (163kg)	419lbs (190kg)	426lbs (194kg)
Noise Levels (at 1m)	52dBA			
Fuel Connection to ARP-HWP (Propane)	1/2" FNPT			
Fuel Connection to ARP-HWN (Natural Gas)	1/2" FNPT			
Data Interface	MODBUS RTU via DB9 female 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 = Fuel (P=Propane, N=Natural Gas); y = CSA Certification (C=CSA certified, U=no CSA certification)