



	<b>ARP500</b>	<b>ARP1000</b>	<b>ARP1500</b>
Series	ARP Series	ARP Series	ARP Series
Electricity Efficiency	~30%	~30%	~32%
DC Output Power Min / Max <sup>1</sup>	150W / 500W	300W / 1000W	450W / 1500W
DC Output Voltage	5-60VDC	5-60VDC	5-60VDC
DC Output Current Max <sup>2</sup>	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 <sup>3</sup>	ARP500Px	ARP1000Px	ARP1500Px
Natural Gas Fuel Series P/N <sup>3</sup>	ARP500Nx	RP1000Nx	ARP1500Nx
CSA Certification Available	Yes	Yes	Yes
Fuel Cell Inlet Supply Pressure	1 psig - 5 psig (6.9kPa - 34.5kPa)		
Fuel Supply Pressure with High Pressure Regulator Kit (RP-HWN/RP-HWP)	5 psig - 125 psig (34.5kPa - 861.8kPa)		
Max Sulfur Content	<100ppmw (70mg/m <sup>3</sup> ), Refer to Fuel Specification FM367 for more details		
Max Water Content	<2500ppmw for standard system, non-condensing at operating temperature & pressure		
Fuel Consumption-Propane (HD5)	1.6G/day (6.0L/day)	2.9G/day (11.0L/day)	4.3G/day (16.3L/day)
Fuel Consumption-Natural Gas	140ft <sup>3</sup> /day (3.9m <sup>3</sup> /day)	260ft <sup>3</sup> /day (7.4m <sup>3</sup> /day)	380ft <sup>3</sup> /day (10.8m <sup>3</sup> /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	CSA: 0 to 8,000 feet (2,438 meters), for altitudes higher than 8,000 feet consult Atrex		
Unit Dimensions	26"x22"x39"	26"x28"x39"	
(H x W x D)	(66cm x 56cm x 99cm)	(66cm x 71cm x 99cm)	
Unit Weight	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	359lbs (163kg)	419lbs (190kg)	426lbs (194kg)
Noise Levels (at 1m)	52dBA		
Propane Fuel Connection to ARP-HWP / Fuel Cell	1/2"FNPT / 1/4"FNPT		
Natural Gas Fuel Connection to ARP-HWN / Fuel Cell	1/2"FNPT / 1/4" FNPT		
Modes of Communication	1) Cellular, 2) Customer Private Network, 3) SCADA, 4) User Interface Panel and 5) Local RJ45 Connection		
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		

<sup>1</sup> - Lower DC Output available with Load Resistor option

<sup>2</sup> - Current will also be limited by maximum output power of unit

<sup>3</sup> - x = CSA Certification (C = CSA Certified, U = non CSA Certified)