

Commercially Available Fuel Cell Products

Manufacturer	Product Name	Application ¹	Configuration ²	Output	Warranty Available?	Find more information and place an order at:	
BALLARD°	Mark 902	Transportation	PEM	85 kW	✓	www.ballard.com	
	Mark 9 SSL	Materials Handling / Light Mobility	PEM	4.4 - 19.3 kW	✓		
	Mark 1030	Cogeneration	PEM	1.3 kW	✓		
	Mark 1020 ACS	Back-up power / Light Mobility	PEM	300 - 5000 W	✓		
	HD6*	Transportation / Bus	PEM	65 or 130 kW net	✓		
	DFC 300MA	Stationary	MCFC	300 kW	✓		
FuelCell Energy	DFC 1500MA	Stationary	MCFC	1200 kW	✓	www.fuelcellenergy.com	
	DFC 3000	Stationary	MCFC	2400 kW	✓		
HYDROGENICS CORPORRTION	HyPM XR (DC) Backup Power Systems	Stationary	PEM	8 - 16 kW	√	www.hydrogenics.com	
	HyPM XR Power Modules	Stationary	PEM	4 - 12 kW	✓		
	HyPM HD Power Modules	Mobility	PEM	4 - 65 kW	✓		
	HyPM Power Packs	Mobility	PEM / hybrid	12 kW continuous	✓		
	HySTAT Hydrogen Station	Hydrogen Refueling	Alkaline Electrolysis	4 - 60 Nm3/hr	✓		
aldaTech	ElectraGen™ 3XTR	Backup	PEM - Liquid Fue	I 3 kW	✓	-	
	ElectraGen™ 5XTR	Backup	PEM - Liquid Fue	l 5 kW	✓		
	ElectraGen™ 3 XTi	Backup	PEM - Liquid Fue	I 3 kW	✓	www.idatech.com	
	ElectraGen™ 5 XTi	Backup	PEM - Liquid Fue	I 5 kW	✓		
	iGen™	Portable	PEM	250 W	✓	-	
	ElectraGen ™ 3	Backup	PEM - Hydrogen	3 kW	✓		
	ElectraGen ™ 5	Backup	PEM - Hydrogen	5 kW	✓		
Medis Editologia Dis	Medis Power Pack**	^c Portable	Direct Borohydride	1 W	TBD	www.medistechnologies.com	
mtimicro	Mobion 30M***	Micro / Portable	DMFC	30 W	✓	11	
	L					www mechtech com	



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fuel cells	Mobion 1M***	Micro / Portable	DMFC	1 W	<u> </u> ✓	www.meenteen.com
NUVERNA	PowerFlow PFV-5	Industrial Vehicles	PEM	5 kW	✓	
	Andromeda Fuel Cell Stack	Transportation	PEM	100 kW	✓	www.nuvera.com
	Forza Industrial Power	Large Industrial / Stationary	PEM	250 kW	✓	
	HDL-82 Power Module	Transportation	PEM	82 kW	✓	
<i>plug pøwer</i>	GenDrive GD1—3000 Series	Class I Lift Trucks	PEM	9 - 11 kW	✓	
	GenDrive GD1—5000 Series	Class I Lift Trucks	PEM	9 - 14 kW	✓	www.plugpower.com
	GenDrive GD1—8000 Series	Class I Lift Trucks	PEM	14 kW	✓	
	GenDrive GD2—Series	Class II NA Lift Trucks	PEM	9 - 11 kW	✓	
	GenDrive GD3—Series	Class IIII Pallet Trucks	PEM	3 kW	✓	
	GenDrive GD6—Series	Class VI Tow Tractors	PEM	3 - 11 kW	✓	
	GenDrive GD—AGV Series	Automated Guided Vehicles	PEM	3 - 14 kW	✓	
	GenCore® 5T Series	Backup - Telecom	PEM	5 kW	√	
	GenCore® 5U Series	Backup - Utilities	PEM	5 kW	✓	
	GenCore® 5B Series	Backup - UPS	PEM	5 kW	✓	
Reli On	T-1000	Backup	PEM	600 - 1200 W	✓	www.relion-inc.com
	T-2000	Backup	PEM	600 W - 2kW	✓	
	I-1000	Backup	PEM	1 kW	✓	
Ultracell.	XX25	Micro / Portable	RMFC	25 W	*	www.ultracellpower.com



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	PureCell® System Model 400	Stationary	PAFC	200 kW	✓	
UTC Power A United Technologies Company	PureMotion® 120 System	Transportation	PEM	120 kW	✓	www.utcpower.com
	PureCell® System Model 5****	Backup	PEM	5 kW	✓	

1 - Fuel Cell Applications

Micro - Battery Replacement

Portable - Mobile Electric Generation Backup - Emergency Power, Grid Parallel

Stationary - Cogeneration, Primary Power and Peak Shaving

APU - Auxiliary Power Unit

Transportation - Bus & light duty vehicle propulsion

2 - Fuel Cell Configurations

AFC - Alkaline Fuel Cell

DMFC - Direct Methanol Fuel Cell

FFC - Formira Fuel Cell

MCFC - Molten Carbonate Fuel Cell

PAFC - Phosphoric Acid Fuel Cell

PEM - Proton Exchange Membrane Fuel Cell

RMFC - Reformed Methanol Fuel Cell

SOFC - Solid Oxide Fuel Cell

SBHFC - Sodium Borohydride Fuel Cell

Up to three (3) reserve Medis fuel cells have been approved for personal use for aircraft carry-on in the US, according to DOT-SP 14504. Expires 10.31.09.

^{* -} Production modules offering in mid-2008.

^{** -} Available on precommercial basis to qualified customers

^{*** -} Product is undergoing field testing

^{**** -} Current use in demonstrators; commercial offering in 2009.