

5T24 / 5T48 Fuel Cell Systems

Using GenCore[®] Technology

Features

- Reliable on-site Power Generation
Proprietary Fuel Cell design delivers efficient, clean, quiet DC power. Integrated cell voltage monitoring provides continuous feedback for optimal performance.
- Power output is scalable to actual need
- Available in both +24V and -48V models
- Temperature tolerant – operates from -40 to +46 °C
- Environmentally Friendly:
 - No emissions
 - No noise pollution
 - No gassing or venting of hazardous byproducts
- Operates on clean hydrogen fuel
- Compact high quality insulated and painted cabinet



Installation / Maintenance / Connections

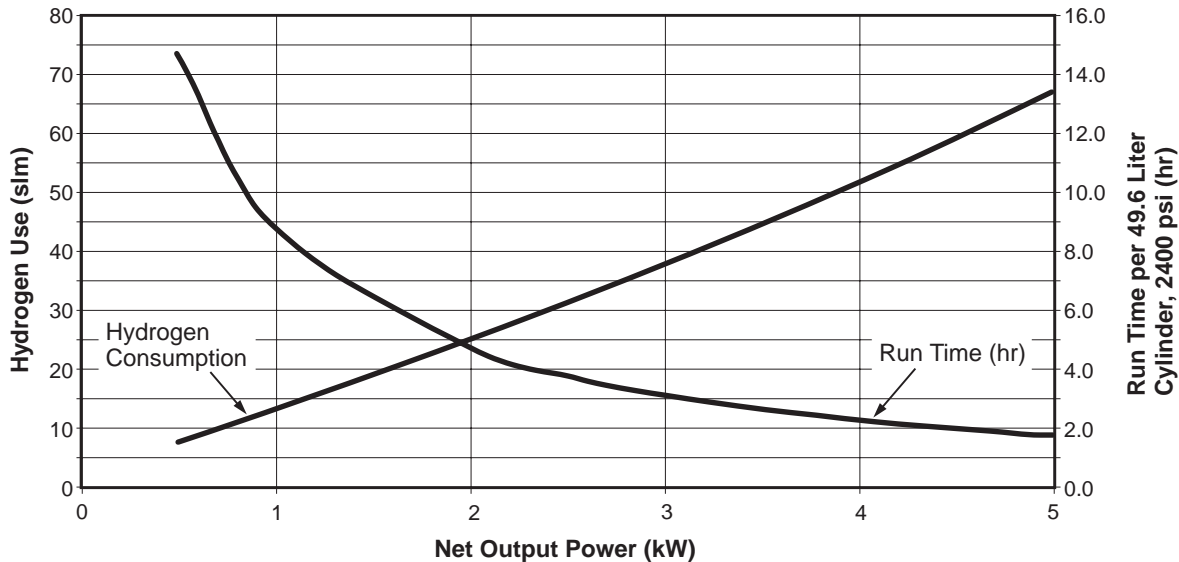
- Delivered to customer site fully assembled - fast and easy installation
- Hydrogen fuel storage cabinet available
- Minimal periodic maintenance
- Hydrogen gas readily available

Specifications

Model	Voltage	Capacity	Height	Width	Depth	Weight	Comcode
5T24	+24 Vdc	0 to 208 Amps	44 in.	26 in.	24 in.	500 lb	408565543
5T48	-48 Vdc	0 to 104 Amps	44 in.	26 in.	24 in.	500 lb	408542138

Specifications (continued)

Fuel Cell Hydrogen Consumption



Nominal Run Time (hours) per Cylinder of Hydrogen

	1 kW	2 kW	3 kW	4 kW	5 kW
48 / 24 V	9.0	4.5	3.1	2.3	1.8

Optional Accessories

Item	Comcode
Hydrogen Storage Cabinet	408542261
Communication Package 1 (modem)	408542204
Communication Package 2 (Ethernet)	408542245

GenCore is a registered trademark of Plug Power Inc.



World Wide Headquarters
Tyco Electronics Power Systems, Inc.
 3000 Skyline Drive, Mesquite, TX 75149, USA
 +1-800-843-1797
 (Outside U.S.A.: +1-972-284-2626)
 www.tycopower.com
 e-mail: techsupport1@tycoelectronics.com

Europe, Middle-East and Africa Headquarters
 Tyco Electronics (UK) Ltd
 Tel: +44 1344 469 300, Fax: +44 1344 469 301

Caribbean-Latin America-Brazil Headquarters
 Tyco Electronics Power Systems
 Tel: +56 2 209 8211, Fax: +56 2 223 1477

Asia-Pacific Headquarters
 Tyco Electronics Singapore Pte Ltd
 Tel: +65 6416 4283, Fax: +65 6416 4299

India
 Tyco Electronics Systems India Pte Ltd
 Tel: +91 80 841 1633 x3001

Tyco Electronics Corporation reserves the right to make changes to the product(s) or information contained herein without notice. No liability is assumed as a result of their use or application. No rights under any patent accompany the sale of any such product(s) or information.

©2005 Tyco Electronics Power Systems, Inc., (Mesquite, Texas) All International Rights Reserved.
 Printed in U.S.A.

January 2005
 DS05-003 Rev1