



Arco Technologies Inc

Arco Technologies

Advanced Energy Systems

Powering the future

DATA SHEET

FS-360

Durable PEM fuel cell stack for versatile applications



**PROPRIETARY
MEA**

Designed for challenging
environments



MEGA™

Typical application areas

FS-360 is a proton exchange membrane (PEM) fuel cell stack for industrial applications. With over two decades of expertise in electrochemical and tech fields, Arco designs and manufactures all key components in-house, guaranteeing high performance and reliability.

Its straightforward and flexible design makes the FS-360 stack an ideal choice for various energy applications:

- Automotive
- City bus
- Trucks
- Marine and Naval
- Aerospace
- UPS
- Defense
- Telecom
- Agriculture
- Mining
- Oil & gas

FS-360 advantages

- Low-Temperature Liquid-Cooled Fuel Cell Stack
- Proven Durability
 - 20 years of development
 - +25,000-hour lifespan
- Proprietary MEA
 - Arco's Membrane Electrode Assembly, a fundamental component of our fuel cell stack products
- Power
 - High power density
 - Rapid power response
- Customized Stack Solutions for Customers
 - Support to ensure customer success throughout the entire system design and integration process

Electrical Specification

Stack Voltage	1 – 0,2 V cell
Stack Current	0 – 360 A
CVM Reading Ranges	-0,1 to 1 V

FS model	Number of Cells	Nominal power kW
FS-360-01	24	3
FS-360-02	48	6
FS-360-03	72	9
FS-360-04	96	12
FS-360-05	120	15
FS-360-06	144	18
FS-360-07	168	21
FS-360-08	192	24
FS-360-09	216	27
FS-360-10	240	30
FS-360-11	264	33
FS-360-12	288	36

Arco Technologies general description

Arco Technologies is at the forefront of the clean energy sector and in promoting a low-carbon transition through its proton exchange membrane (PEM) cells and, more recently, anion exchange membrane (AEM) electrolyzers. With over 20 years of experience in hydrogen-related electrochemical technologies, we have developed expertise in all aspects, from electrodes to stacks and system equipment, making us experts in system integration as well. In addition to offering a portfolio of standardized products, we develop custom solutions for clients and provide support during the integration phase.

Arco Technologies inc

444 Somerville Ave
Somerville MA 02143
USA

Arco Technologies srl

Via Badini 21
Granarolo Dell'Emilia (BO) 40057
Italy

Phone: +39 051 852828
Email: info@arco.tech
sales@arco.tech
Web: www.arco.tech