

MobHyl Power® M110



PowiDian
POWER IN ALL MERIDIANS

ZERO EMISSION
HYDROGEN POWER GENERATOR

CLEAN
QUIET
ROBUST

110
kVA
70 kW FUEL CELL SYSTEM



Environmentally friendly



ADVANTAGES AND PERFORMANCES



Fuel
Hydrogen



Proven technology
8th generation PEM Fuel Cell



Zero emission



Adapted to negative temperature
Does not require an external
energy source down to - 20°C



Low noise level
Controlled soundproofing



Safety and reliability
Integrated safety system



Optimized start-up
Instant start-up and reactivity



Intelligent control
PowiDian Master Controller system
ergonomic interface



Maintenance
Integrated by design



Increased power
Thanks to the 60 kWh of on-board
Li-ion batteries



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Isolated sites



Events



Sport events



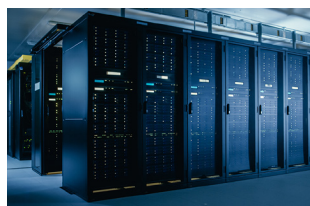
Construction sites



Airports, ports...



Army



Data center

SPECIFICATIONS

Long lasting performances

Use	Prime / Emergency
Nominal power (kW / kVA)*	56 / 70
Max power 1 h (kW / kVA)*	62 / 77
Peak power (kW / kVA)*	88 / 110
Output voltage	400 V / 50 Hz - 440 V / 60 Hz
Grounding	TT or TNS
Synchronization	Yes
Paralleling of multiple MobHyl Power®	Yes
Autonomy 50 % nominal power (rack V18 200 bar)	Around 8 h
H ₂ input change	Continuity of AC power thanks to batteries + double H ₂ input
Fuel cell	Ballard FCmove™
Fuel cell lifetime	30 000 h
Batteries	Lithium Iron Phosphate 60 kWh

*Power factor 0,8

Safe and easy to use

Dimensions (L x l x h)	5 000 x 1 200 x 2 200 mm
Weight	4 200 kg
Lifting and handling	Lifting rings or forklift slots
Use	Outside
Storage temperature	- 20°C to + 45°C
IP level	43
Remote access	Integrated GSM/3G/4G
Certification	Machinery Directive 2006/42/EC CEM Directive 2014/30/UE