

# Autonomous electrical generator

2kW @ 48 VDC



GENERAL SPECIFICATIONS	
Dimensions (W x L x H)	940 x 450 x 385 mm
Weight	35 Kg
Max operating inclination	5°
Start-up time	< 1minute
Stop time	< 1 minute
OPERATING SPECIFICATIONS	
Storage temperature	-40°C / +70°C
Operating temperature	-20°C / +45°C
Cold start-up temperature	0°C / +45°C
Max operating altitude from sea level	2000 metres
ELECTRICAL SPECIFICATIONS	
Nominal output voltage	48 VDC
Acceptable voltage range on continuous bus for nominal operation	44-56VDC
Stationnary nominal outpur power	2000 W
Max output power during pics (< 15 s)	2500 W
GAS SPECIFICATIONS	
Hydrogen	
Nominal operating pressure	300 mbar +/- 100 mbar
Pic flow rate (during purges)	50 NL/min
Process Air (reactant)	
Flowrate Max.	180 NL/min
Air quality	media G4 air filter type
EFFLUENTS	
Liquid	
By-product water	Max. 0,45 g/s
Thermal	
Heat evacuated	Max. 3 kW