

MODULAR ELECTROLYSER CONTAINER



Designed for **medium-capacity** hydrogen feeding, this modular electrolyser offers a solution for hydrogen decentralized production.

This product is the culmination of 10 years of experience in in situ hydrogen production.



ADVANTAGES AND PERFORMANCES



Proven technology
10 years of use
by PowiDian



Outdoor use



Optimized start-up
Instant start-up and reactivity



Power control
from 15 to 100 % P_n



Maintenance
Integrated by design



Purity
99,999 %



PowiDian
Energy

MODULAR ELECTROLYSER CONTAINER

SPECIFICATIONS



Electrical			
Data	10'	20' L	20' H
Input voltage	400 Vac 3P+N+T	400 Vac 3P+N+T	400 Vac 3P+N+T
Frequency	50 Hz (option 60 Hz)	50 Hz (option 60 Hz)	50 Hz (option 60 Hz)
Nominal power	59 kW	118 kW	206 kW
Peak power	77 kW	155 kW	270 kW
Minimal power	2 kW	3 kW	3 kW
Efficiency	65 kWh/kg	65 kWh/kg	65 kWh/kg

Hydrogen			
Maximum output flow	10 Nm ³ /h-0,25 g/s	20 Nm ³ /h-0,50 g/s	35 Nm ³ /h-0,88 g/s
Output pressure	35 barg	35 barg	35 barg
Purity	99,999 % (ISO 14687)	99,999 % (ISO 14687)	99,999 % (ISO 14687)

Water supply			
Pressure	1 to 4 barg	1 to 4 barg	1 to 4 barg
Quality	City water	City water	City water

Mechanical and environmental			
Dimensions	2430x2990x2890mm (WxDxH)	2430x6058x2890mm (WxDxH)	2430x6058x2890mm (WxDxH)
Operating temperature	- 10 to 35°C (+45°C in option)	- 10 to 35°C (+45°C in option)	- 10 to 35°C (+45°C in option)
Altitude	< 1000 m	< 1000 m	< 1000 m
Cooling	Liquid (heat recovery in option : 18 kW)	Liquid (heat recovery in option : 36 kW)	Liquid (heat recovery in option : 63 kW)



20'L container 20'L - 20Nm³/h



20'L container 20'H - 35Nm³/h