

# NEW PROPANE FUEL CELL POWER GENERATOR

## Remote 250 Application Note - 03/2025

### ADVANTAGES AT ONE GLANCE:

- 20 % less capex
- 45 % less fuel consumption at <130 W
- Only 11 % fuel cost compared to Methanol FC
- Autonomy: up to 14,000 opHrs
- 20 % less weight, 15 % less volume



NEW ENERDAY's fuel cell development dates to the early 2000s, with the official product launch in 2013. This marked the introduction of Remote Fuel Cells powered by Propane or natural gas. Since then, hundreds of Remote 400 units have been manufactured and sold for professional applications to customers in Europe and worldwide.

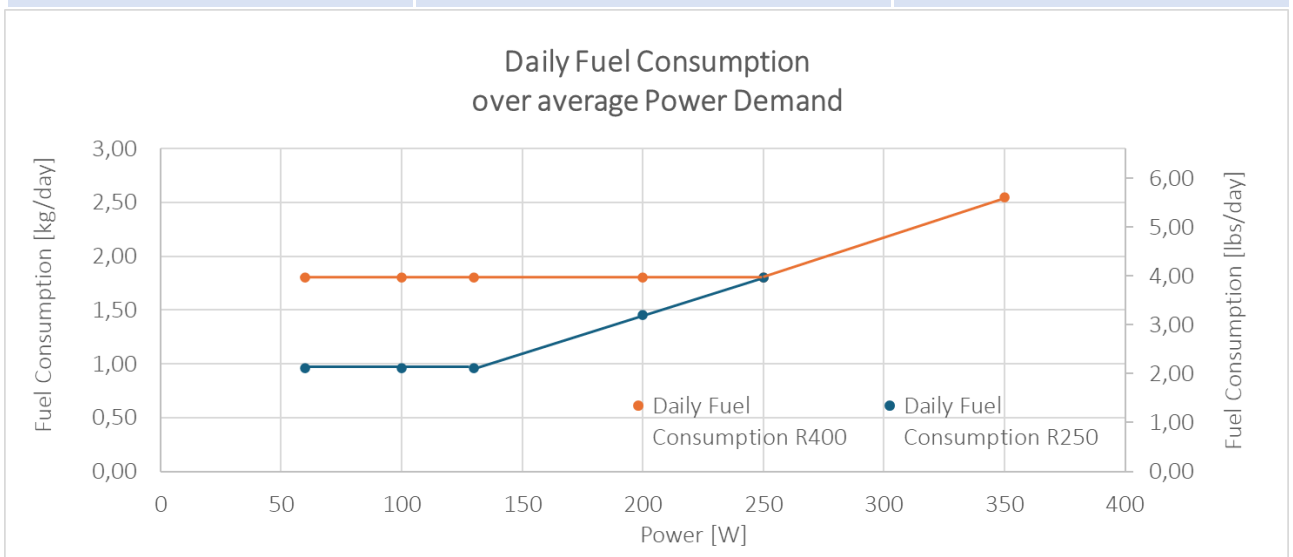
The new off-grid power generator Remote 250 is a game changer for applications in the power range between 50 and 240 W average load. It comes with optimized efficiency and reduced fuel consumption, reduced weight and increased autonomy. The device is based on the trusted Remote 400, which is recommended from 230...340 W and parallelising for higher output or redundancy.

In comparison to other off-grid generators, unbeatable total cost (TCO) can be achieved due to the use of commonly available standard Propane and an outstanding conversion efficiency. The preferred setup is the hybrid combination with PV for the summer months that reduces the fuel cell operation to 3,000...4,000 opHrs per year which covers winter season and bad weather periods.



## Technical Data

	Remote 250	Remote 400
Nominal power	250 W	350 W
Power output range	50...250 W	80...350 W
Recommended average load	50...240 W	230...340 W
Availability for purchase	Q3/2025 in Europe Q4/2025 in North America Pre-orders welcome	from stock, warehouses in Germany and North America
Weight	39 kg / 86 lbs	50 kg / 110 lbs
Voltage	24 V, for charging VRLA deep cycle batteries	
Fuel	Propane, EN51622 or HD5, Natural Gas on request	
Daily Fuel consumption	0.96...1.8 kg / 2.12...4 lbs	1.8...2.54 kg / 4.0...5.6 lbs
Start-up time to generation	<3 hrs	5 hrs
Typical stack lifetime (cont. winter operation)	15,000 opHrs = 4...6 yrs in PV-FC hybrid with 3...4,000 opHrs per year	
Autonomy time / maintenance interval	up to 14,000 opHrs	up to 10,000 opHrs
Highlights	+ lower price + higher efficiency@low load + Start-up in <3 hrs	+ higher power + parallel operation for increased power output



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