

STREET FOOD FESTIVAL

ENERGY STATISTICS AND SAVINGS



The Event:

Street food festival – Marseille 2026

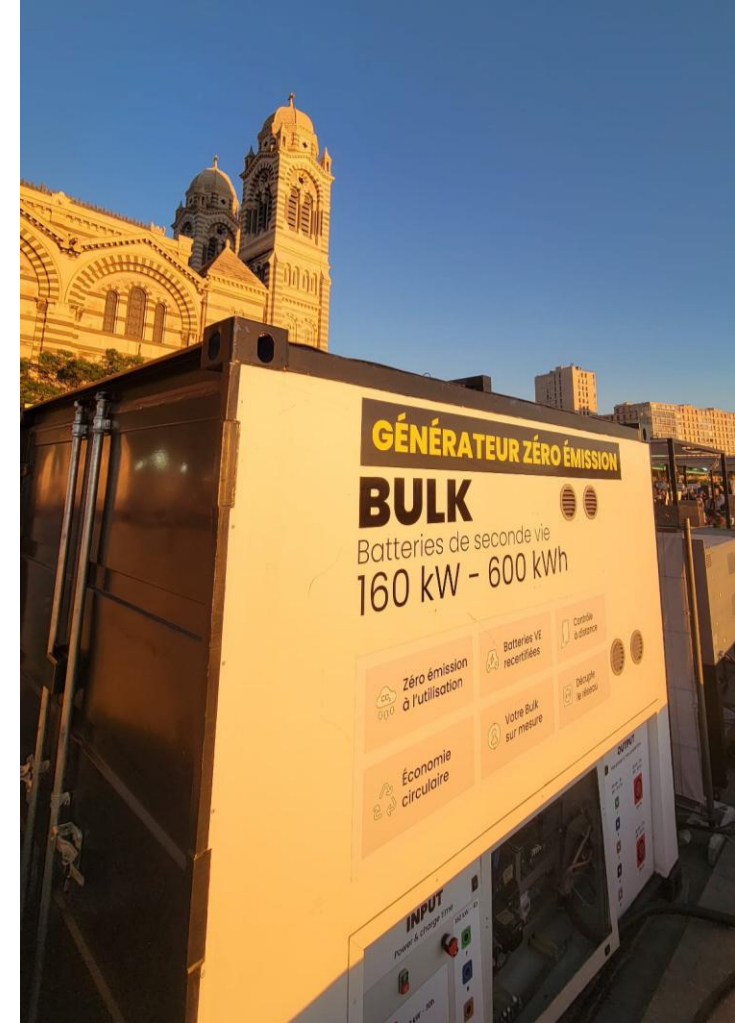
September 10 – 11 – 12, 2026 (3 nights)

Client technical requirements (Provence Tourisme and Provence Location):

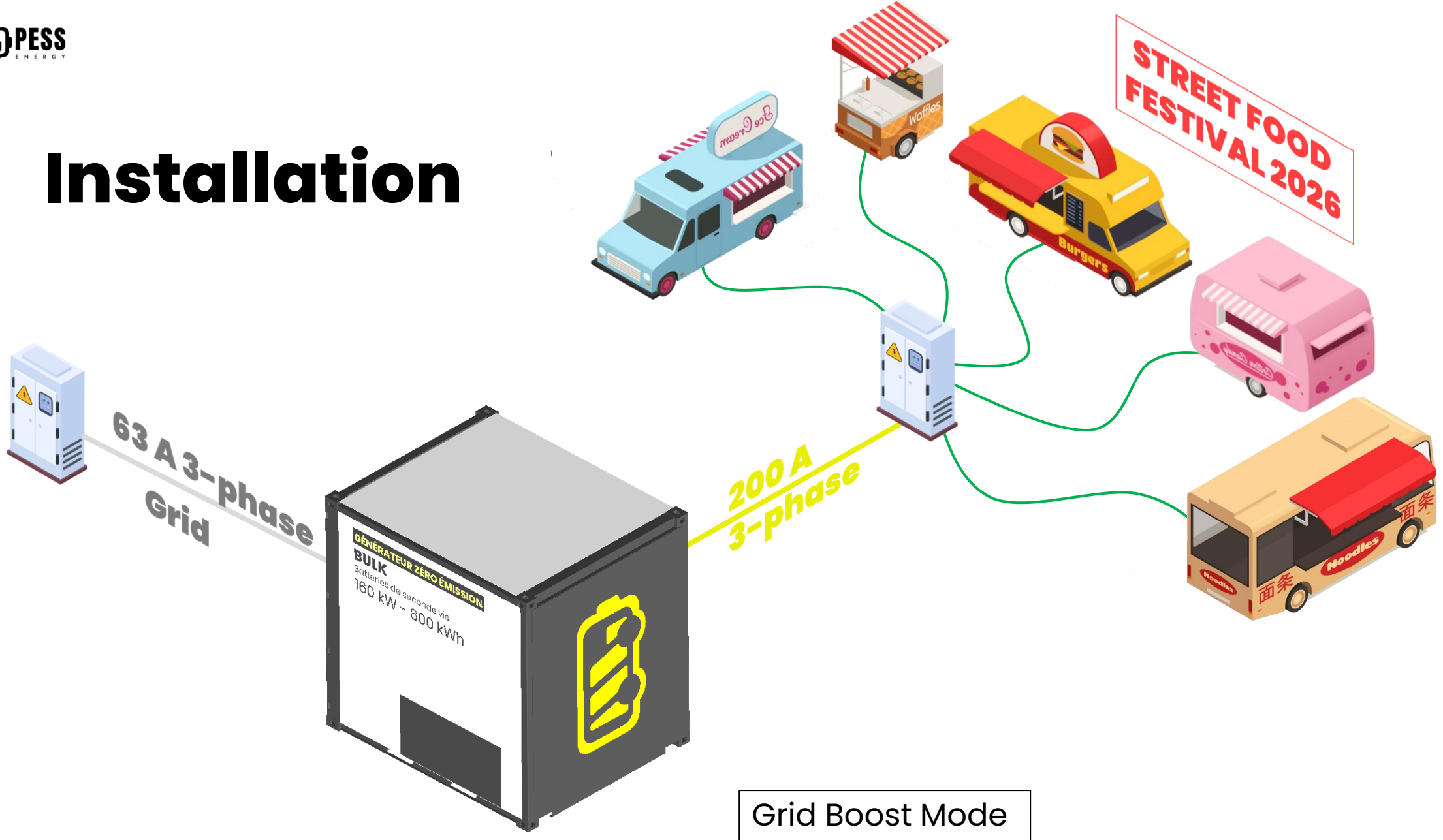
- Arrival 7/09, departure 14/07 (7 days)
- Provide decarbonized energy to 1/3 of the Street food festival facilities (i.e. 25 stalls)
- Output power required: 200 A three-phase (138 kW)
- Input power available: 63A three-phase grid connection (max 30kW)



The Delivery



Installation



The Giga Battery PACK: BULK

160kW continuous – 600 kWh usable – 2nd-life electric vehicle batteries

Advantages:

- **Supply of 160kW continuous three-phase power** (230 A PowerLock or 125A P17)
 - 200 kVA peak
 - Possibility of unbalanced phases, up to 50kW per phase
- **Back-up (0ms online UPS) zero outage** with grid or generator
- **Energy boost**: AC output higher than AC input
- **Hybridation** with a thermal generator
- **Zero emissions**: No noise, no CO2, no odors, no heat, no maintenance...
- **Remote monitoring** 24/7

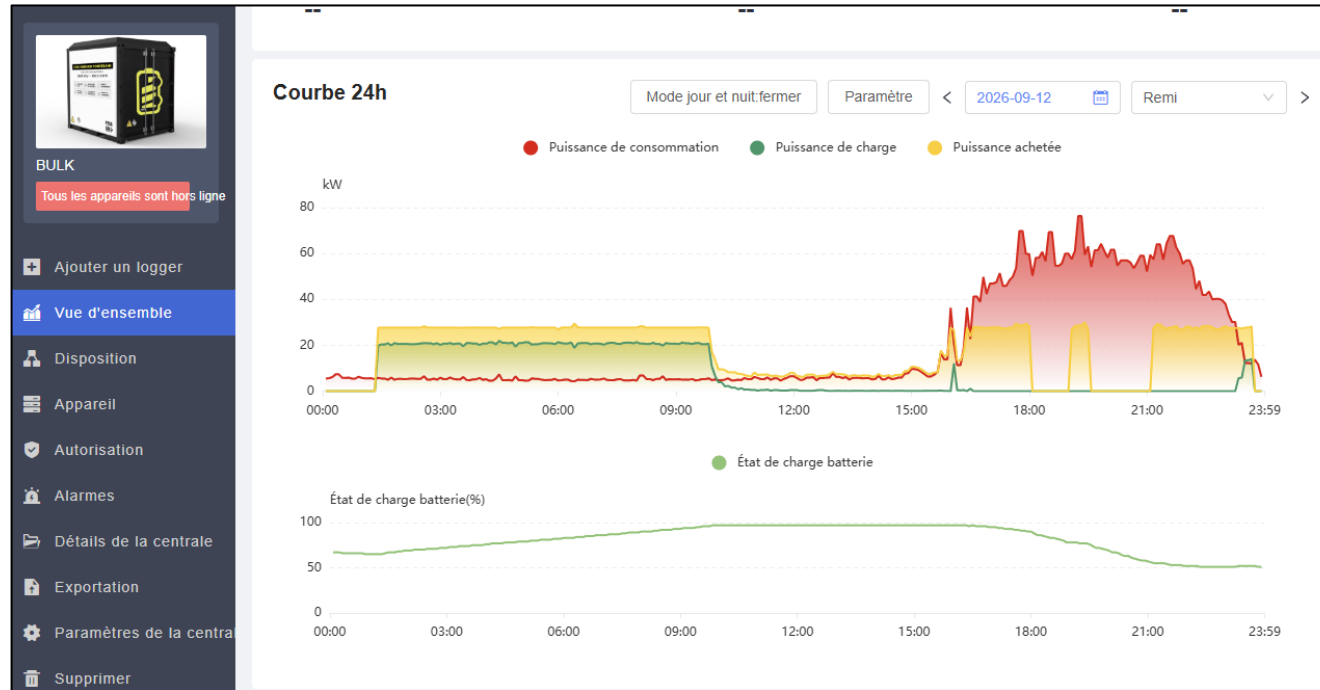
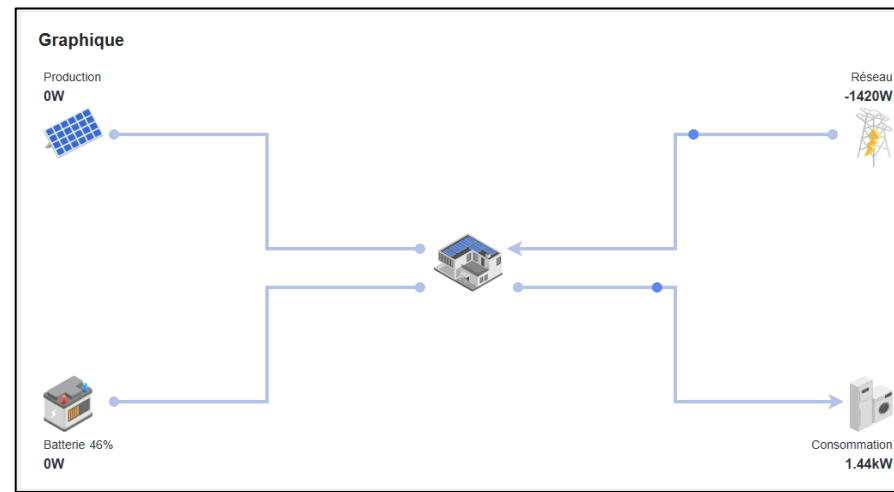


Capacity / day		Power over 10h
BULK battery capacity alone:	600 kWh/day	Max continuous discharge: 60 kW for 10h
With 63 A (3-phase) grid supply	960 kWh/day	Max continuous discharge: 90 kW for 10h
With 125 A (3-phase) grid supply	1920 kWh/day	Max continuous discharge: 160 kW for 10h

Remote monitoring

24/7 (4G network)

Usage and impact report



Consumption Summary

TECHNICAL SOLUTION: BULK – ZERO-EMISSION GENERATOR – 160kW – 600 kWh

Date	Energy Consumed		Grid Recharge		Power Peak	Grid Boost ($P_{\text{GRID}} = 30\text{kW}$)
THURSDAY 10/09/26	271,2 kWh	22,5%	206,7 kWh	20%	66,0 kW	220%
FRIDAY 11/09/26	453,7 kWh	37,7%	402,4 kWh	38,9%	76,3 kW	254%
SATURDAY 12/09/26	479,7 kWh	39,8%	424,1 kWh	41,0%	76,4 kW	255%
TOTAL	1204,6 kWh	100%	1033,2 kWh	100%		

Savings achieved	
Energy supplied	1204,6 kWh
Equivalent Diesel Quantity*	602,30 L
CO ₂ equivalent Diesel**	1602,12 kg CO ₂
Equivalent Diesel Cost***	1415,41 €

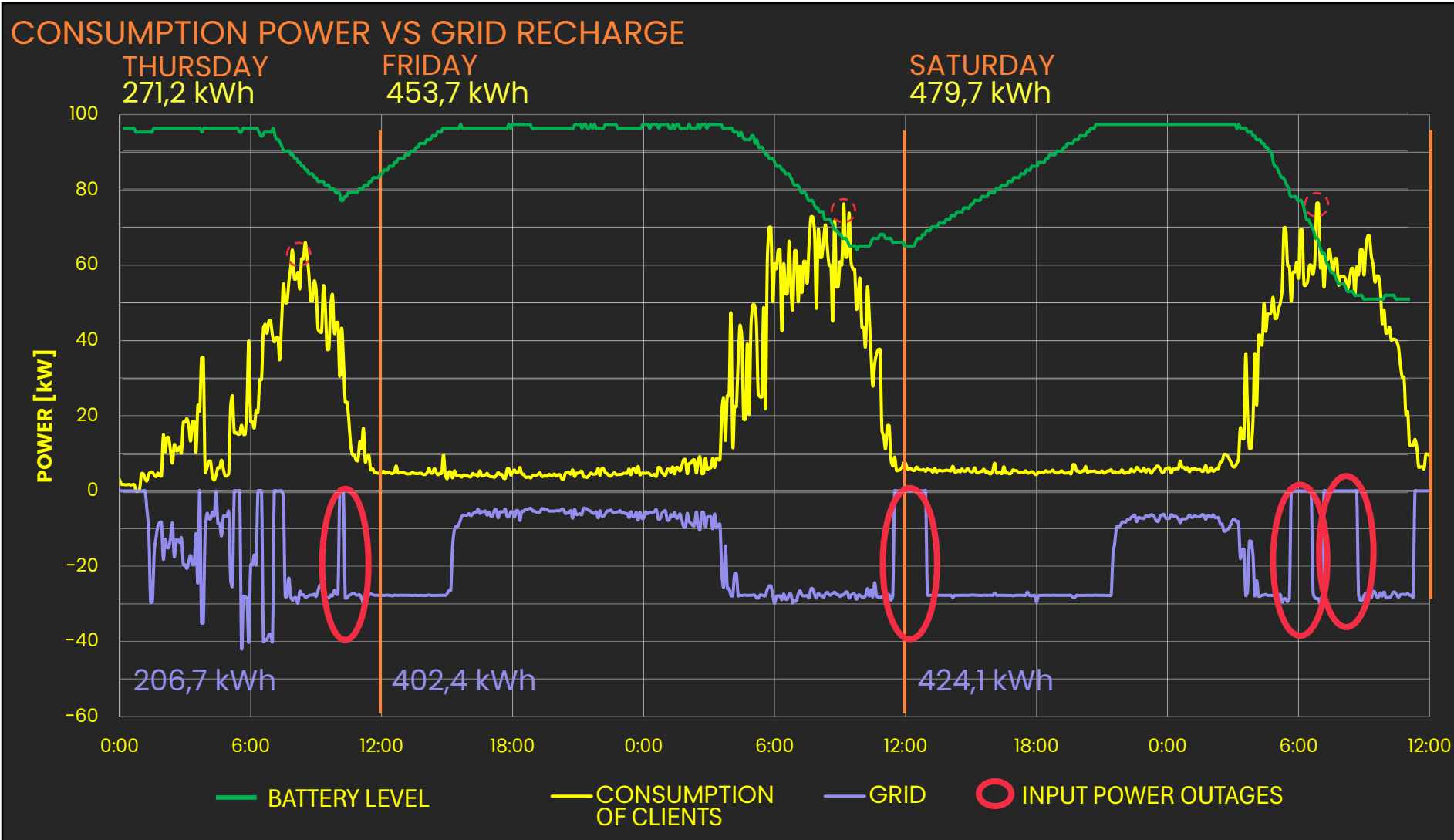
* Specific Diesel Generator Consumption = 0,5 L/kWh (25% Load)

** Diesel CO₂ Factor = 2,66 kg CO₂/L [ADEME]

*** Diesel Price = 2,35 €/L



CONSUMPTION AND GRID RECHARGE HISTORY



Thursday:

- $P_{PIC} = 66,0$ kW at 20:30
- 271,2 kWh consumed
- 206,7 kWh from the grid

Friday:

- $P_{PIC} = 76,3$ kW at 21:35
- 453,7 kWh consumed
- 402,4 kWh from the grid

Saturday:

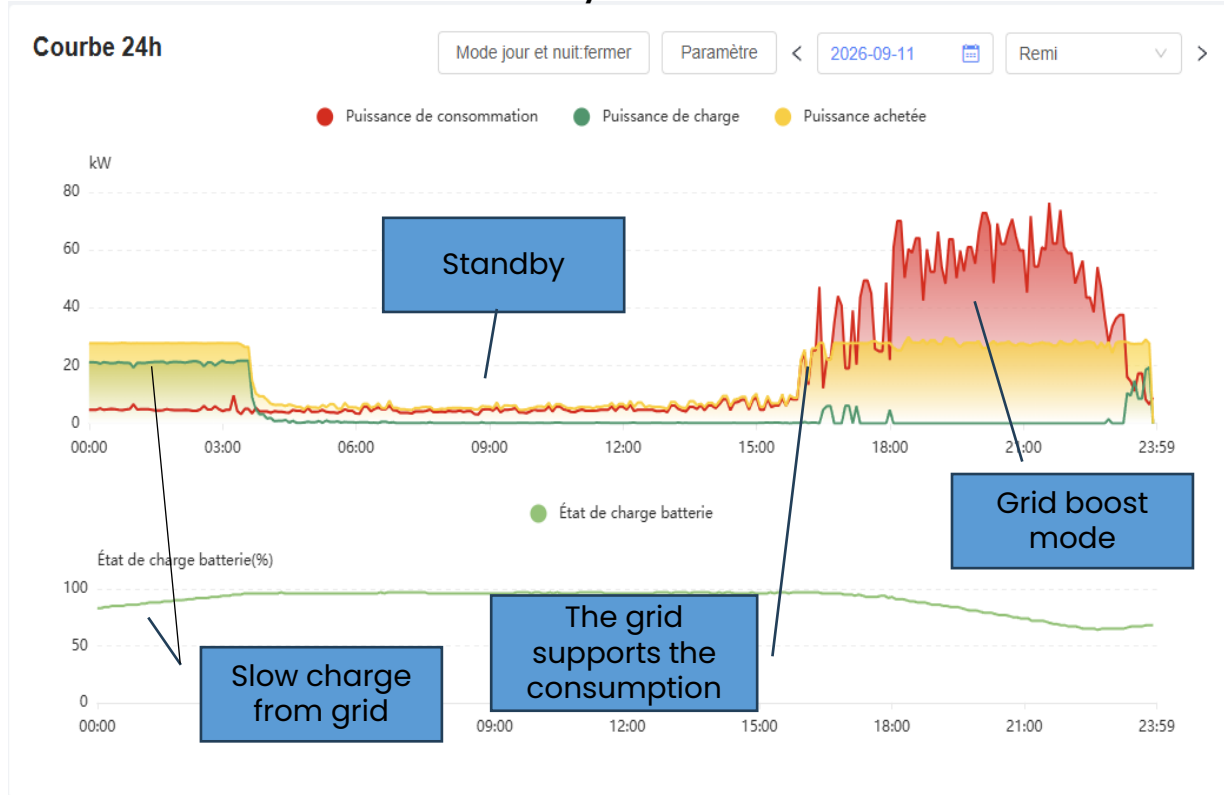
- $P_{PIC} = 76,4$ kW at 19:15
- 479,7 kWh consumed
- 424,1 kWh from the grid

TOTAL:

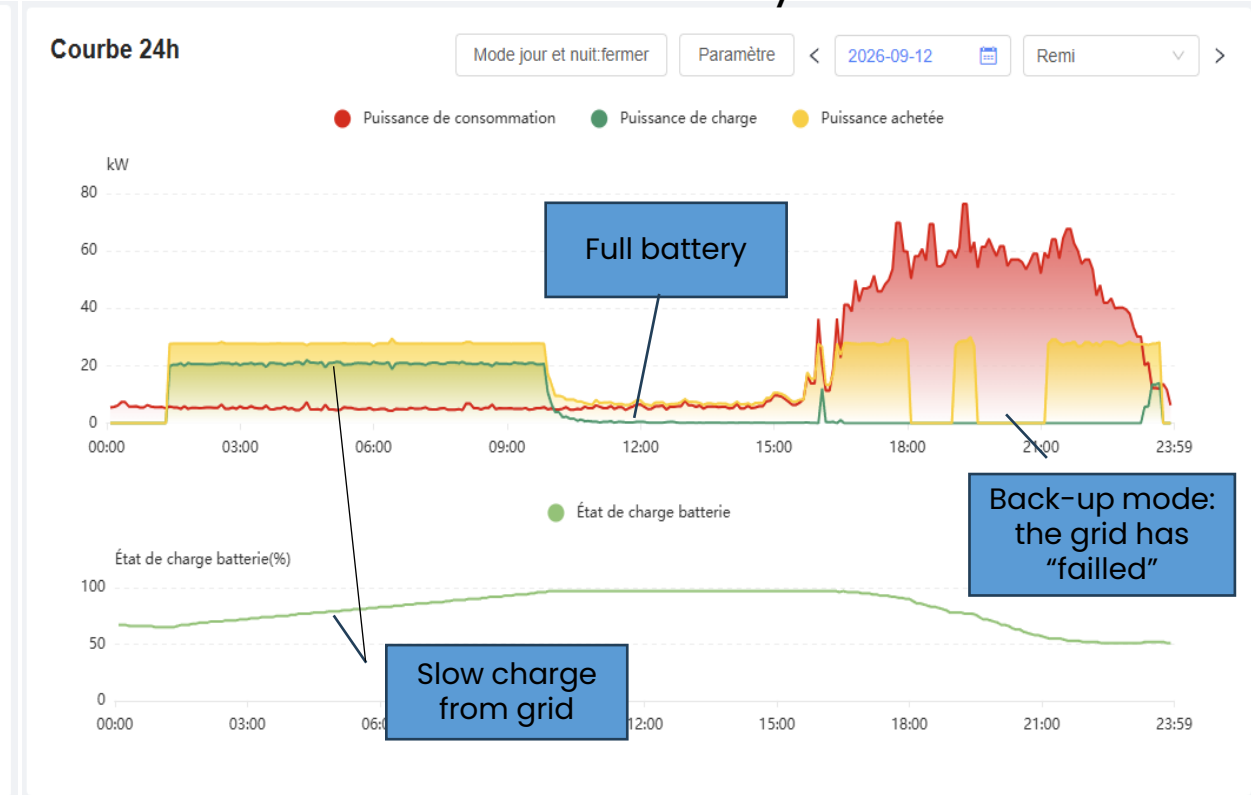
- 1204,6 kWh consumed
- 1033,2 kWh from the grid

Different usage modes

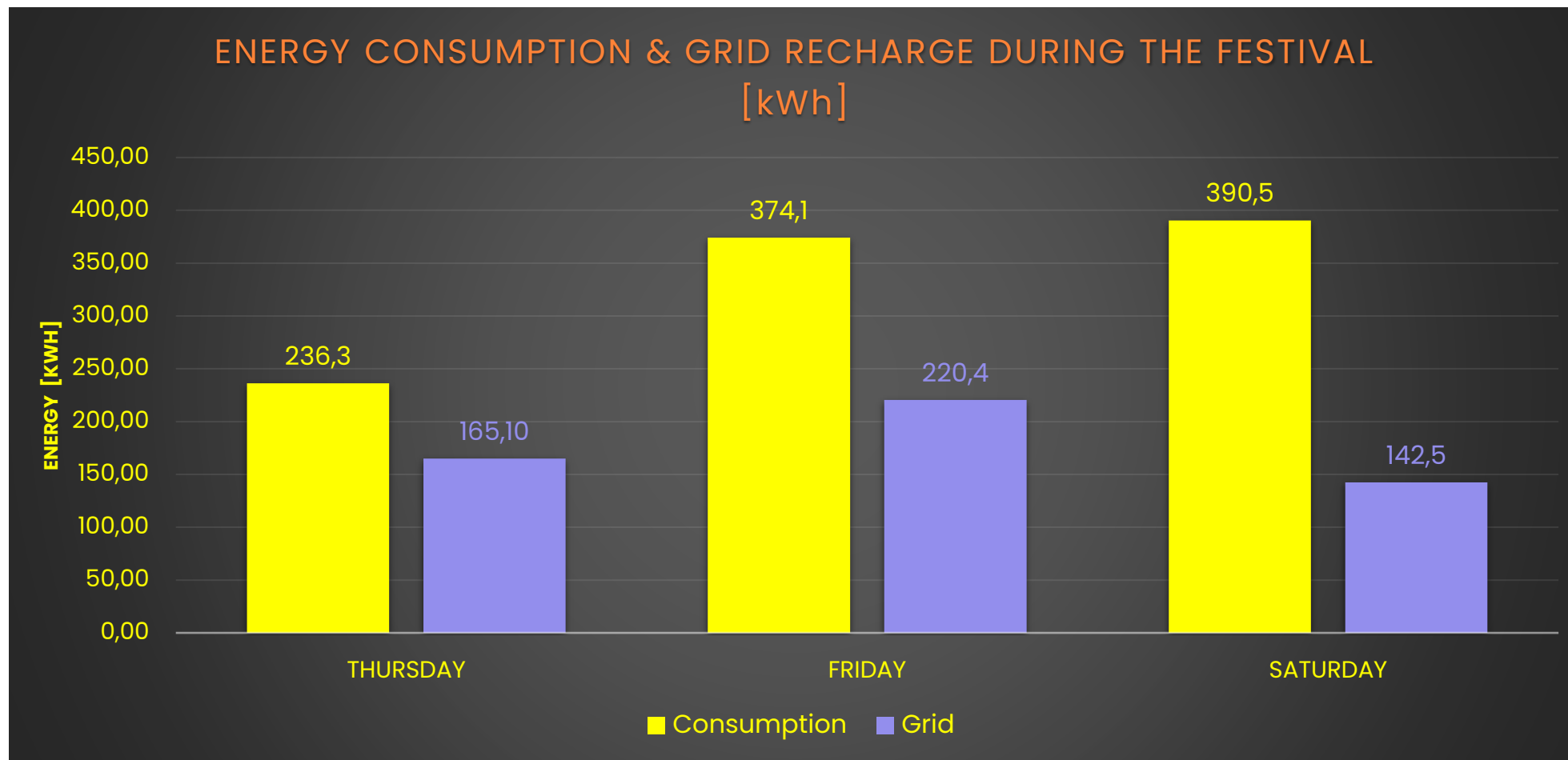
Friday



Saturday



DURING THE FESTIVAL [16:00 – 00:00]



16:00 – 00:00



CONCLUSION

- 1204 kWh Supplied to clients
- Grid boosted up to 3x its power
- 4 power outages avoided, the battery continued operating normally when the grid went down, customers noticed nothing...

Savings achieved for the provider

- **1415 €** in fuel savings
- **602 L** of unburned diesel (GNR)
- **1602 kg CO₂** avoided

Zero emissions : No noise, no CO₂,
no odors, no heat, no maintenance





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