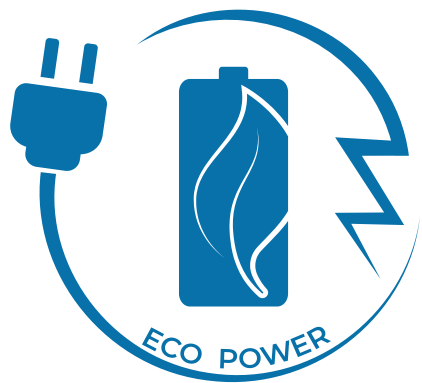
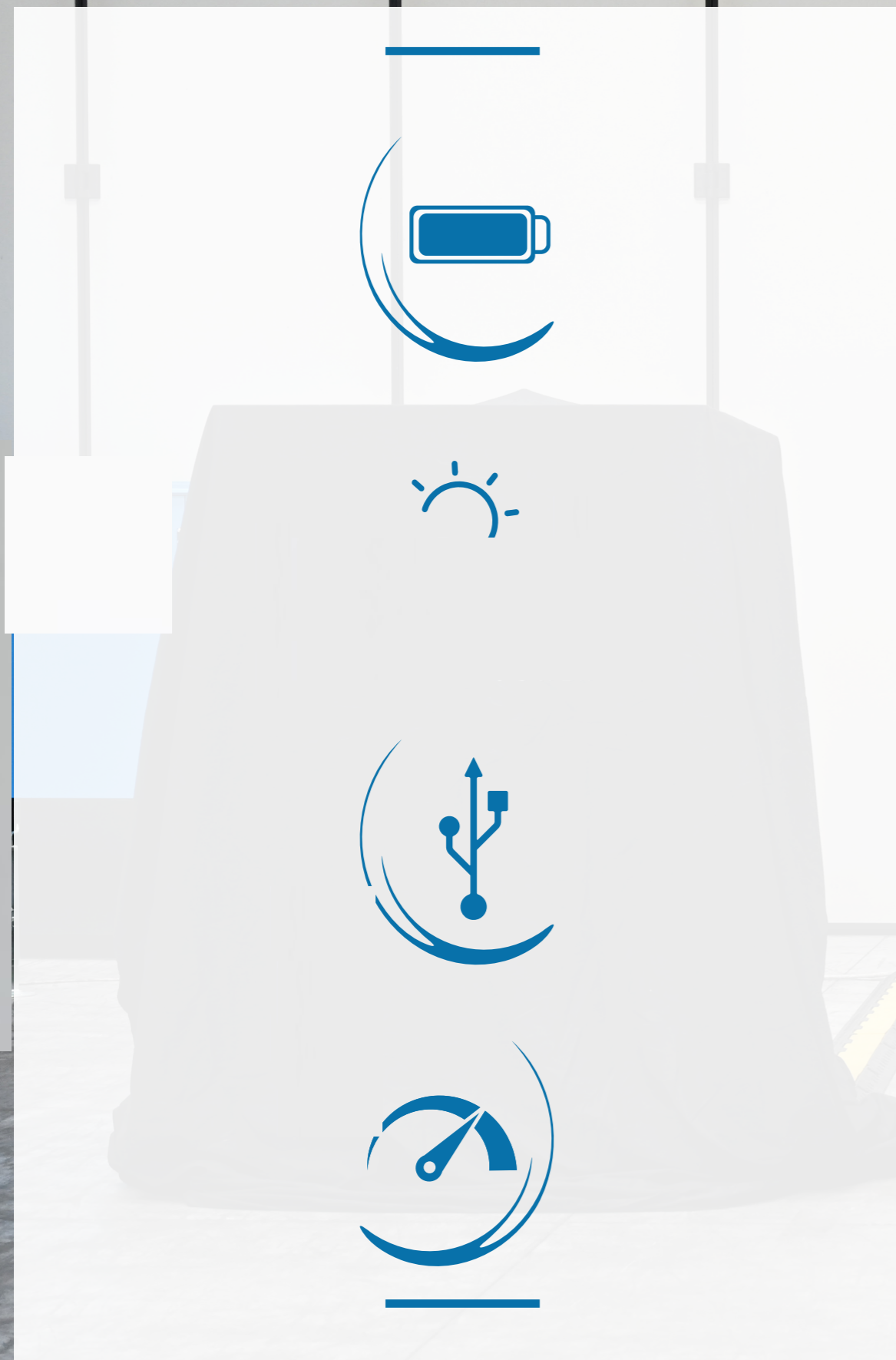




TRUS YOUR POWER

ECO POWER





EN. BESS - Battery Energy Storage System.

EN. ECOPOWER powered by CGM is an energy storage system which can operate independently or in combination with solar panels, electricity and generators, it guarantees ZERO noise and emissions during operation.



EN. It's easy to use and Plug&Play in the functionalities.

EN. The main target is to guarantee high efficiency and optimize critical applications in terms of load, fuel and noise.



-Z

EN. No more peaks, wet stacking, black smoke, maintenance.



EN. ZERO emissions, ZERO noise, ZERO liquids.



EN. Plug&Play with solar panels, mains, generators.



EN. UPS functionality response time
20ms.

EN. Rental Design for easy
transportation and robustness.

EN. During HYBRID use: 2 times more
engine lifetime, 5 times maintenance
reduction, 50% fuel reduction.

WHO USES IT?

EN. Construction sites with noise problems.

EN. 1 Day rental without using fuel.

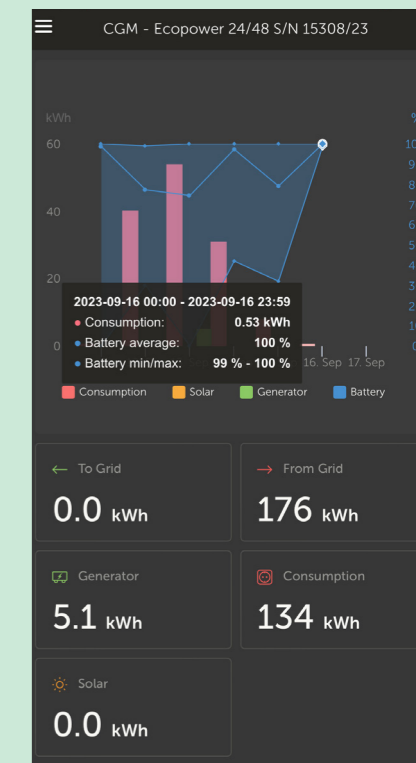
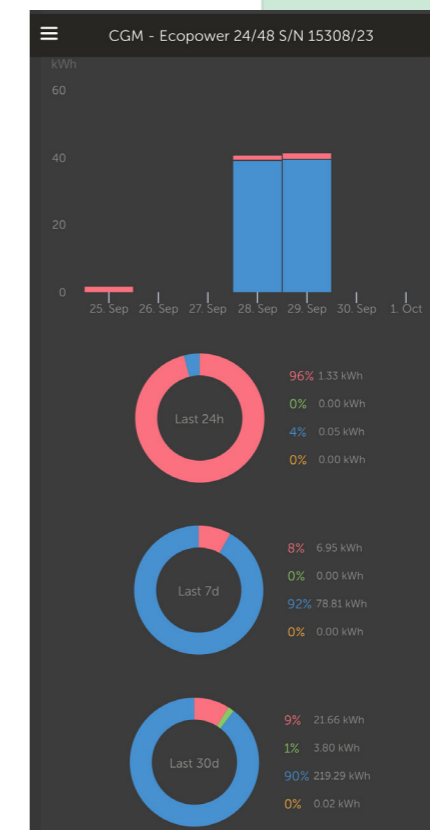
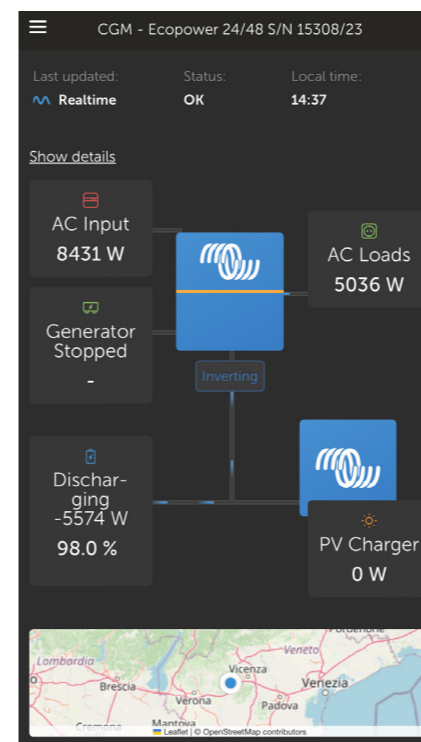


VRM
Victron Energy



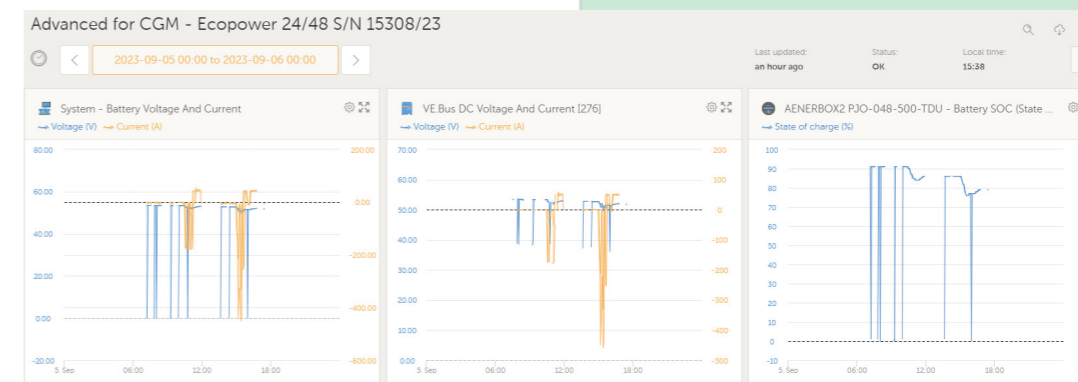
EN. As back up to companies with its UPS capability.

EN. High-end rental companies.



EN. Net Zero 2030 / carbon neutral companies.

EN. Remote areas (difficult to do maintenance or refill).



FULL ELECTRIC

HYBRID

model	Nominal power	Storage capacity	Frequency	Voltage	Weight	Weight
	[kVA]	[kWh]	[Hz]	[V]	[Kg]	[mm]
EP 24/25	24	25,9	50	400	950	1650x1180x2000H
EP 24/50	24	51,8	50	400	1150	1650x1180x2000H
EP 24/100	24	103,6	50	400	1550	1650x1180x2000H
EP 45/50	45	51,8	50	400	1250	1650x1180x2000H
EP 45/100	45	103,6	50	400	1650	1650x1180x2000H
EP 120/100	120	100	50	400	2200	2400x1240x2100H
EP 120/200	120	200	50	400	3200	2400x1240x2100H

modelo	Nominal power	Storage capacity	Generator capacity	Engine model	Frequency	Voltage	Weight	Dimensiones
	[kVA]	[kWh]	[kVA PRP]	[Stage V]	[Hz]	[V]	[Kg]	[mm]
EPH 24/25/18	24	25,9	18	Yanmar 4TNV88-BIB	50	400	1550	1650x1180x2050H
EPH 24/50/18	24	51,8	18	Yanmar 4TNV88-BIB	50	400	1700	1650x1180x2050H
EPH 24/100/18	24	103,6	18	Yanmar 4TNV88-BIB	50	400	2100	1650x1180x2050H
EPH 45/50/43	45	51,8	43	Yanmar 4TN-V98CT-IYE	50	400	2200	1650x1180x2050H
EPH 45/100/43	45	103,6	43	Yanmar 4TN-V98CT-IYE	50	400	2700	1650x1180x2050H


model	Battery		Recharge time		
	[Type]	[Quantity]	[Cycles @90%]	[20-90%]	[20-100%]
EP 24/25	LiNMC	1	6000	1.10Hr	1.25Hr
EP 24/50	LiNMC	2	6000	2.45Hr	3.10Hr
EP 24/100	LiNMC	4	6000	4.30Hr	5Hr
EP 45/50	LiNMC	2	6000	1.1Hr	1.25Hr
EP 45/100	LiNMC	4	6000	3.20Hr	3.50Hr
EP 120/100	LiNMC	4	6000	TBD	TBD
EP 120/200	LiNMC	8	6000	TBD	TBD

model	Battery		Recharge Time		
	[Type]	[Quantity]	[Cycles @90%]	[20-90%]	[20-100%]
EPH 24/25/18	LiNMC	1	6000	1.20Hr	1.30Hr
EPH 24/50/18	LiNMC	2	6000	2.30Hr	2.50Hr
EPH 24/100/18	LiNMC	4	6000	5Hr	5.45Hr
EPH 45/50/43	LiNMC	2	6000	1.10Hr	1.20Hr
EPH 45/100/43	LiNMC	4	6000	2.15Hr	2.40Hr

EN. Average daily load 32%, 11 Hrs of work, peak 18kVA, average 8,5kVA.

V18Y/V20KH	DAY/DÍA/TAG	MONTH/MES/MONAT	YEAR/AÑO/JAHR
H	11 h	230 h	2550 h
L*	44 L = € 80	924 L = € 1.680	10.100L = € 18.300
MAINTENANCE	/	€ 350	€ 3.500
TOT. COST	€ 80	€ 2.030	€ 21.800

1 L = € 1.8

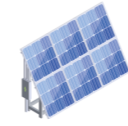
EP 24/50 + RETE/MAINS/RÉSEAU	DAY/DÍA/TAG	MONTH/MES/MONAT	YEAR/AÑO/JAHR
H	11 h	230 h	2550 h
	88 kWh = € 11	1.840 kWh = € 221	20.400 kWh = € 2.450
MAINTENANCE	0	0	0
TOT. COST	€ 11	€ 221	€ 2.450

1 kWh = € 0,12

CASE STUDY

EP 24/50 + V18Y o - EPH 24/50/18	DAY/DÍA/TAG	MONTH/MES/MONAT	YEAR/AÑO/JAHR
H	11 h	230 h	2550 h
L*	26 L = € 47	550 L = € 980	6.000L = € 10.800
MAINTENANCE	€ 0	€ 0	€ 350
TOT. COST	€ 47	€ 980	€ 11.150

1 L = € 1.8

EP 24/50 + SOLARE/SOLAR/SOLAIRE	DAY/DÍA/TAG	MONTH/MES/MONAT	YEAR/AÑO/JAHR
H	11 h	230 h	2550 h
	88 kWh = € 0	1.840 kWh = € 0	20.400 kWh = € 0
MAINTENANCE	0	0	0
TOT. COST	€ 0	€ 0	€ 0

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