

GWU-LiDAR Trailer & GWU-HPS





Trailer equipped with:

Single axis closed trailer with mechanical braking system

Maximum total weight: 1,300 kg

Dimensions (inside): approx. length 2,620 mm x width 1,500 mm x height 1,800 mm

Closed box body, wood sandwich panels, white

Double rear door, lockable, with espagnolette lock, hinges and lock in stainless steel

Side door, lockable (separate cabin for LiDAR incl. lockable roof hatch and internal lockable maintenance door)

Movable mounting platform for easy pre-installation

Mounting bracket (traverse) for 3 solar panels

4 x Crank supports, with automatic support wheel

Trailer lights, 13 poles connection plug

(100 km/h version)

COC (Certificate of Conformity) => easy registration within Europe

Option: GWU-HPS (Hybrid Power Solution)

SFC Fuel Cell, EFOY Pro

Operational panel to display status

Fuel Manager (FM2 or FM4)

Solarcharger

DC/DC Converter (Voltage stabilization)

2 x Methanol cartridges á 28 l

*1 x LiFePo Battery 24 V / 100 Ah **(heated)***

Or

*1 x LiFePo Battery 24 V / 230 Ah **(heated)***

(~95-99 % of the load can be used)

Installed in fibreglas weather protection box



Option: PV Pack (3 x 330 Wp)

3 x PV modules á 330 Wp (990 Wp in sum)

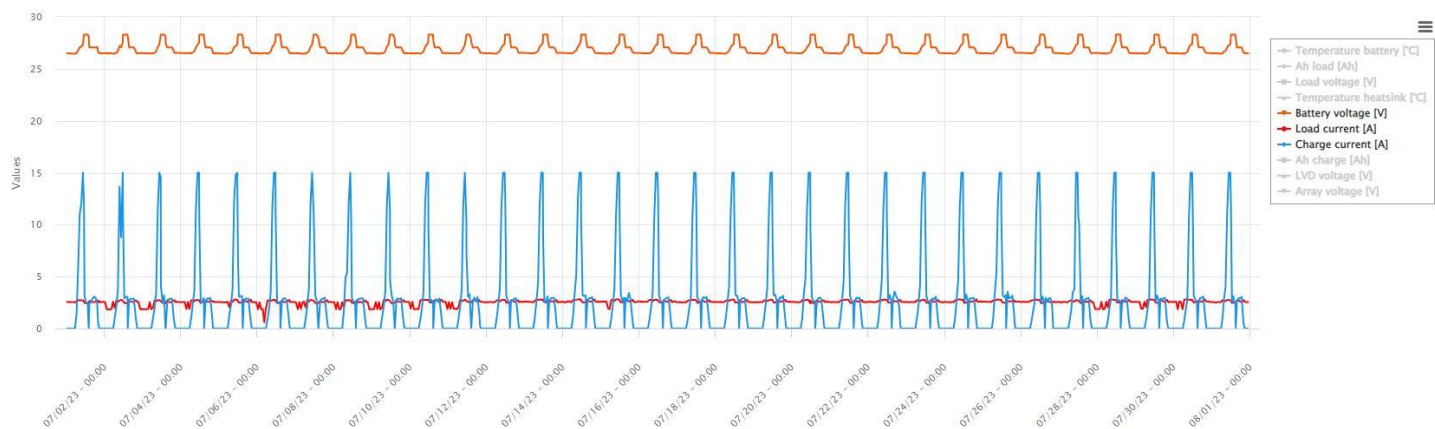
3 x Frames for trailer mounting

3 x Holders for PV modules



Option: Remote Monitoring

EFOY Udomi Portal: Solar charge controller monitoring



SFC EFOY Cloud: Fuel cell monitoring

EFOY Pro 2800

EFOY Pro 2800 -
Active platinum license (expires: 18.10.2023)
Serial Number:
Added:
State: Standby
GWU-Umwelttechnik GmbH

SET ALERTS

MORE

Fuel Cell

Operating mode: AUTO

Power output: 0 W

Voltage at the battery: 26.2 V

Voltage at the EFOY: 25.9 V

Charging current: 0.0 A

EFOY temperature: 12.1 °C

Operating hours: 78 h

Firmware version: 24.14.293

Active error: none

Last error: 001.003
19.09.23 08:15 h

Active warning: none

Last warning: none

Battery

Battery type: LiFePO4 24V

Charging cycles: Automatic 1 / 29h, Manual 1 / 2h

26.2 V Voltage

0.0 A Charging current

Battery capacity: 100 Ah

Switch-on voltage: 24.6 V

Switch-off voltage: 28.4 V

Cut-off current: 1 A

Cut-off time: 180 min

Max. charge time: 48 h

Min. charge time: 30 min

Switch-on delay: 300 s

Battery protection: 24.0 V

Fuel Cartridges

Remaining total fuel: 97.1 %

Fuel cartridges overview: 4 cartridges shown

Fuel cartridge sensor: Fuel level above sensor or no sensor connected

Cartridge	Capacity	Active Port	Fuel Level
1. M28 (28L)	Active Port	89 % (24.92l)	
2. M28 (28L)		100 % (27.94l)	
3. M28 (28L)		100 % (27.94l)	
4. M28 (28L)		100 % (27.94l)	

Fuel Manager