

HXB-V1

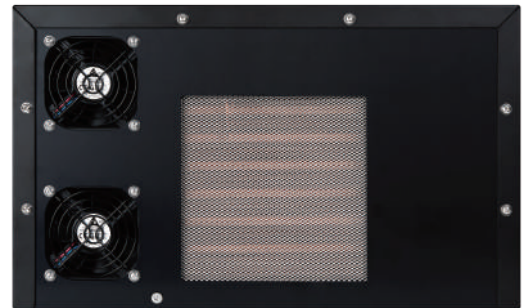
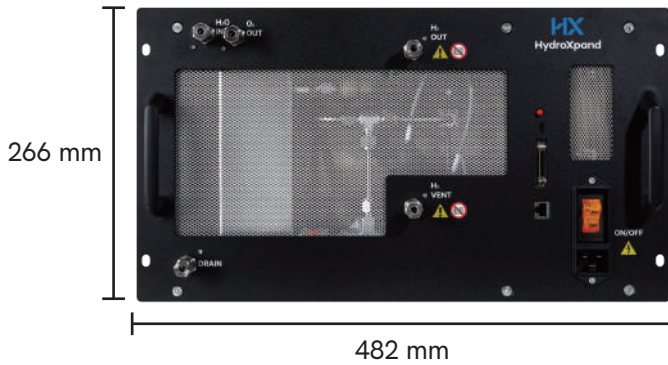
2kW AEMWE system

HX HydroXpand

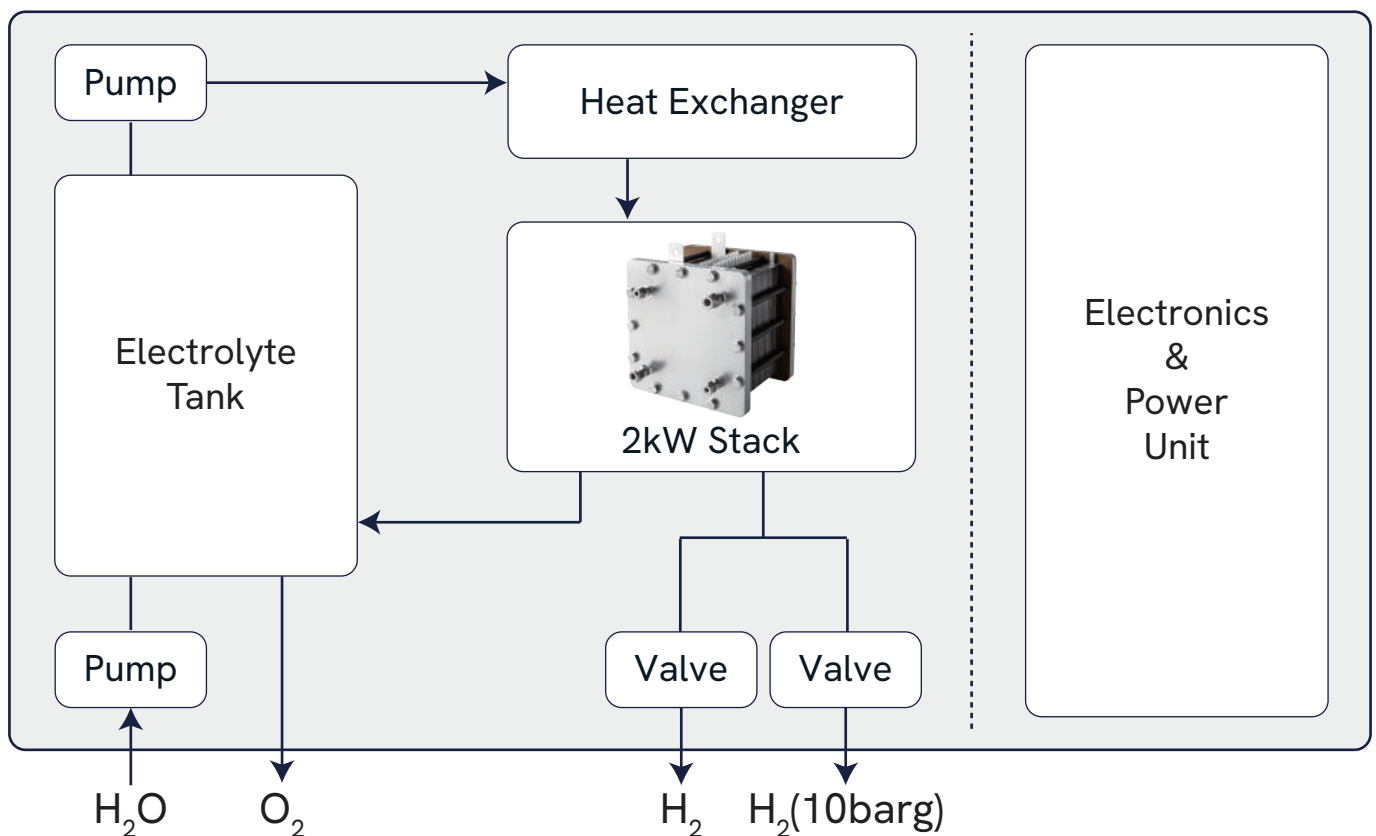
Images



642 mm



P&ID



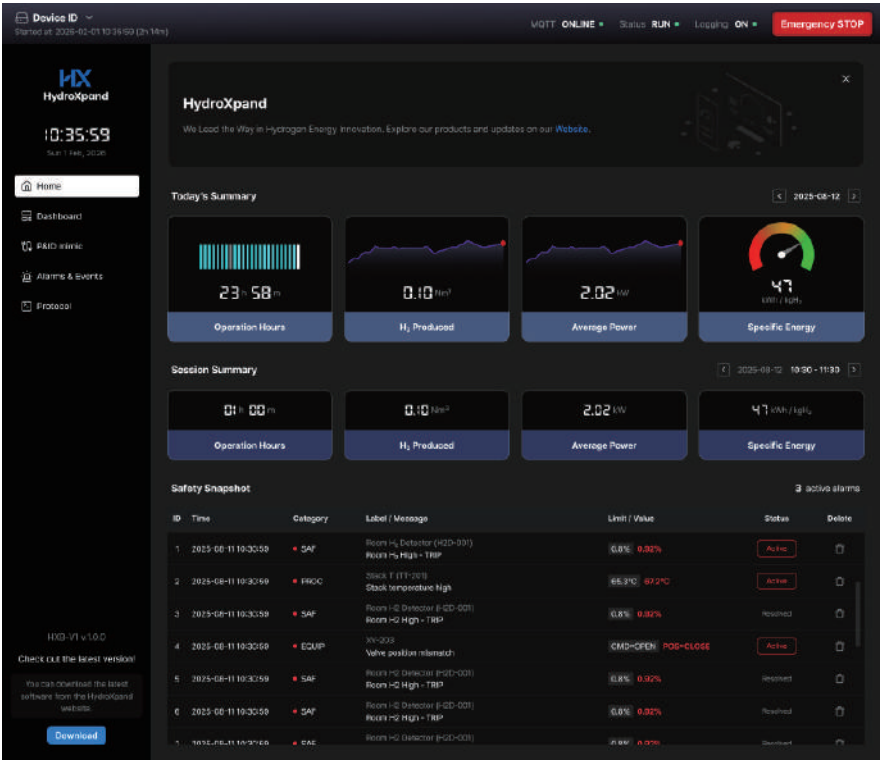
HXB-V1

2kW AEMWE system

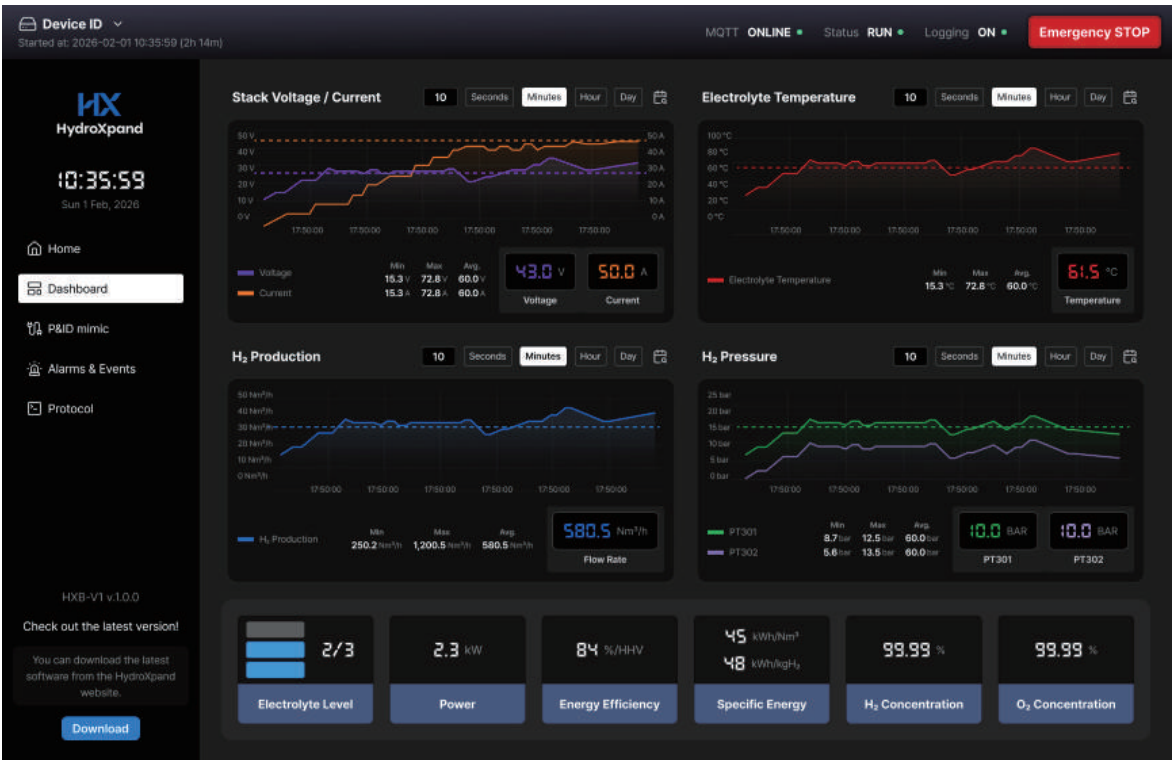


Desktop App

Home



Dashboard



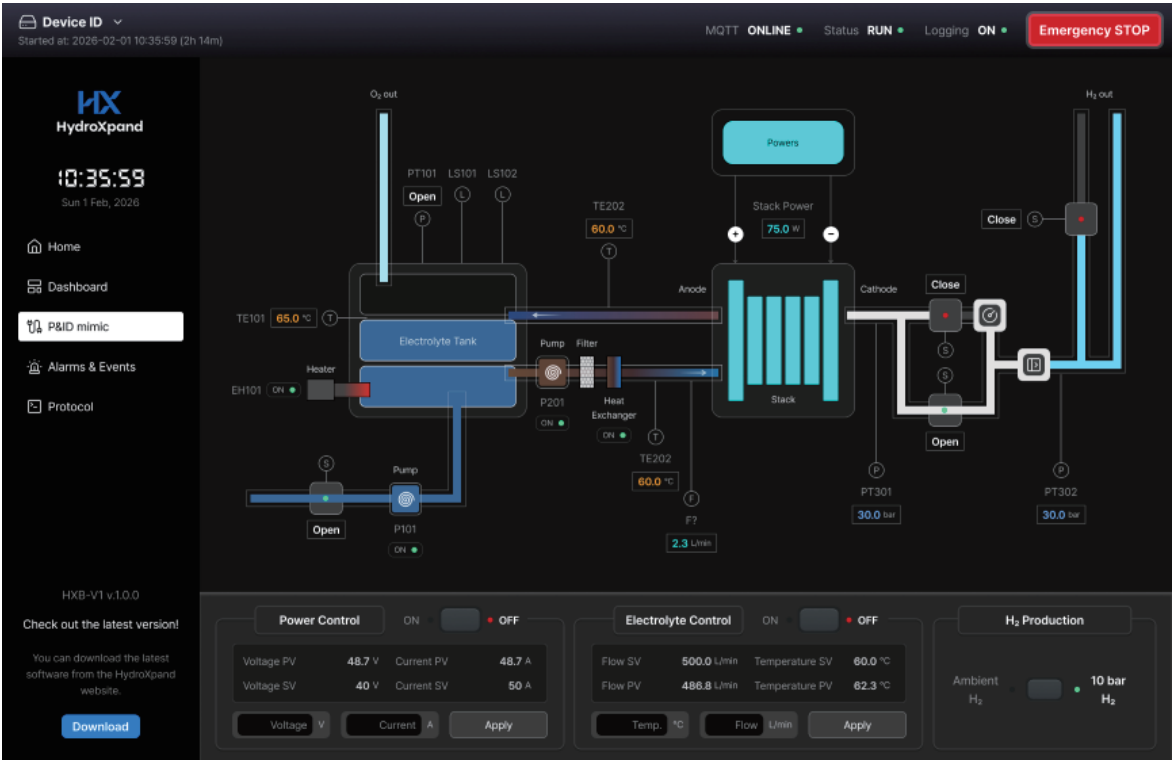
HXB-V1

2kW AEMWE system



Desktop App

P&ID



Alarms & Events

Device ID: [Dropdown]
Started at: 2025-02-01 10:35:59 (2h 14m)

MQTT ONLINE • Status RUN • Logging ON • Emergency STOP

HydroXpand

10:35:59
Sun 1 Feb, 2026

Home
Dashboard
P&ID mimic
Alarms & Events
Protocol

HXB-V1 v.1.0.0
Check out the latest version!
You can download the latest software from the HydroXpand website.
Download

Alarms 3 active alarms Delete All

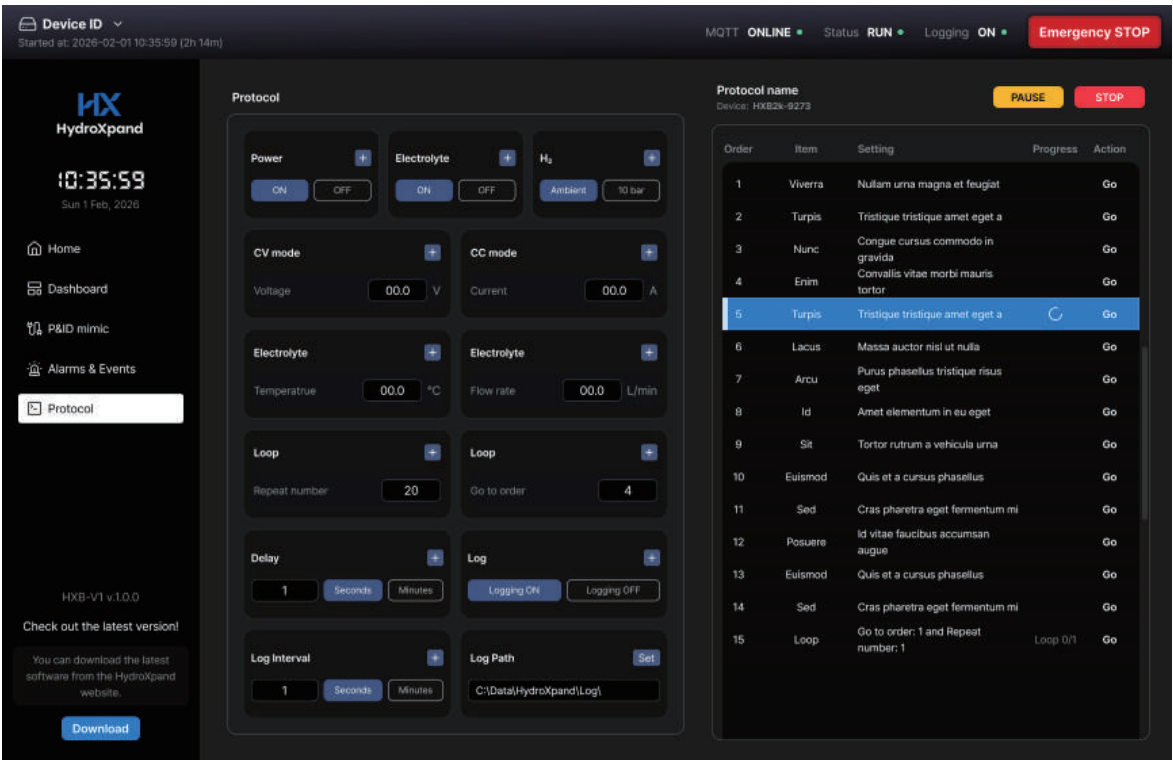
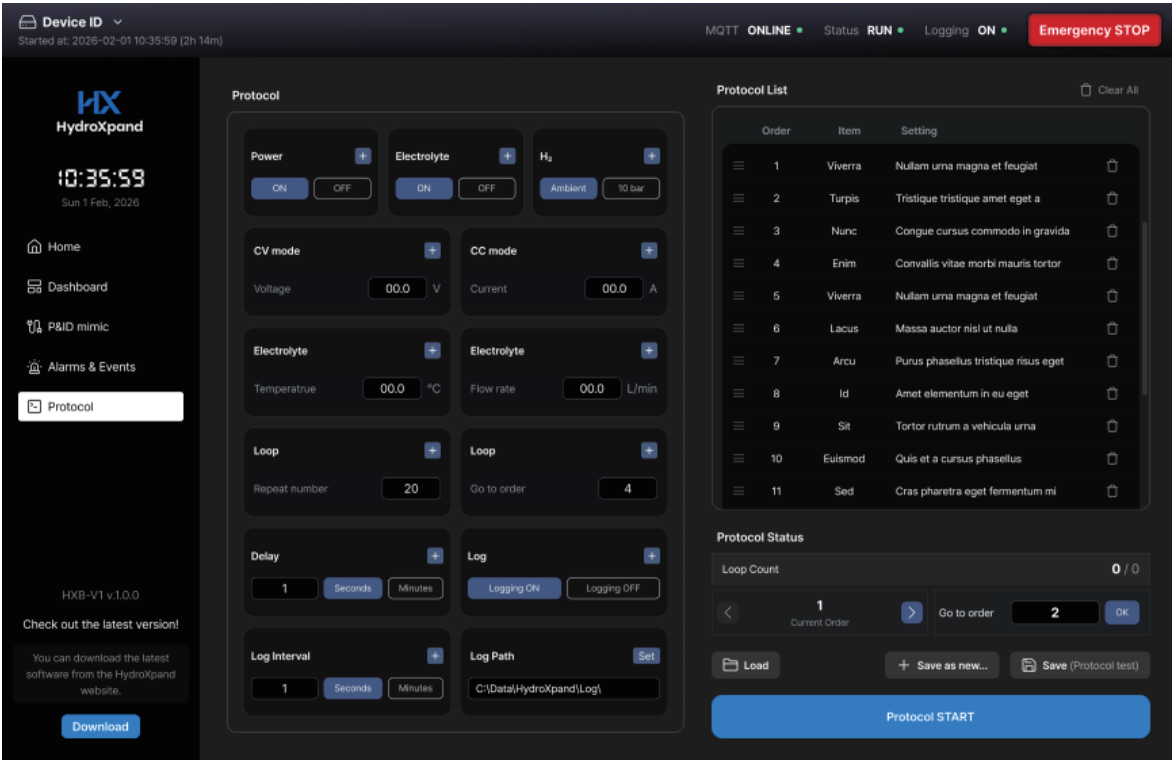
ID	Time	Category	Label / Message	Limit / Value	Status	Delete
1	2025-08-11 10:30:59	SAF	Room H2 Detector (H2D-001) Room H2 High - TRIP	0.8% 0.92%	Active	Delete
2	2025-08-11 10:30:59	PROC	Stack T (TT-201) Stack temperature high	65.3°C 67.2°C	Active	Delete
3	2025-08-11 10:30:59	SAF	Room H2 Detector (H2D-001) Room H2 High - TRIP	0.8% 0.92%	Resolved	Delete
4	2025-08-11 10:30:59	EQUIP	XV-203 Valve position mismatch	CMD=OPEN POS=CLOSE	Active	Delete
5	2025-08-11 10:30:59	SAF	Room H2 Detector (H2D-001) Room H2 High - TRIP	0.8% 0.92%	Resolved	Delete

Events Delete All

ID	Time	Type	Action	Status	Delete
1	2025-08-11 10:30:59	Emergency	Emergency Stop	Applied	Delete
2	2025-08-11 10:30:59	Emergency	Emergency Stop	Applied	Delete
3	2025-08-11 10:30:59	Emergency	Emergency Stop	Applied	Delete
4	2025-08-11 10:30:59	Emergency	Emergency Stop	Applied	Delete
5	2025-08-11 10:30:59	Emergency	Emergency Stop	Applied	Delete
6	2025-08-11 10:30:59	Emergency	Emergency Stop	Applied	Delete

Desktop App

Protocols



Specifications

Dimensions	W/D/H: 482 mm × 642 mm × 266 mm
Weight	51.3 kg
Space inside cabinet	6 U
Control and monitoring	Desktop app (MQTT over Ethernet)
Operating range	15 A - 67 A
H ₂ production rate	Up to 500 L h ⁻¹ , up to 1 kg hday ⁻¹
H ₂ pressure	0 barg or 10 barg
H ₂ purity	0 barg: 98-99% without dryer, >99.99% with dryer 10 barg: 99% without dryer, >99.99% with dryer
Nominal power consumption	4.8 kWh/Nm ³ , beginning of life
Operative power consumption	2.4 kW, beginning of life
Power supply	200-240 V (AC), 50/60 Hz, single phase, use C19 power cable
Water input conductivity	ASTM D1193 Type II ($\leq 1.0 \mu\text{S/cm}$ @ 25 °C)
Ambient operative temperature range	5 °C - 45 °C
IP rating	IP 20