

수소연료전지의 세계적인 이름 TerraLIX는 한국의 상징이 될 겁니다.

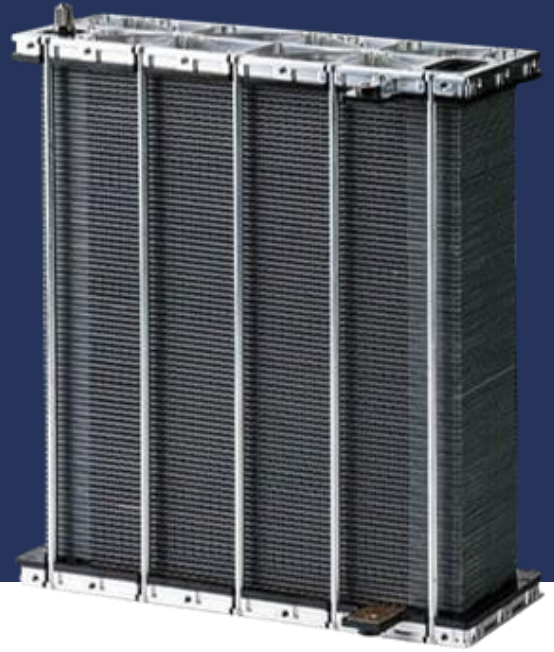
TERRALIX GREAT CHALLENGE






Air-cooled Fuel Cell Stack

Operation in - 35 °C

HYCUS N



Specifications

	HYCUS N1	HYCUS N2	HYCUS N4	
				
Performance	Rated Power	1.4 kW @ 0.5 A/cm ²	2.0 kW @ 0.6 A/cm ²	4.0 kW @ 0.6 A/cm ²
	Rated Voltage	43.2 V @ 0.5 A/cm ²	51.0 V @ 0.6 A/cm ²	102.0 V @ 0.6 A/cm ²
	Voltage Range	42 ~ 63 Vdc	49 ~ 75.6 Vdc	98 ~ 151.2 Vdc
Fuel	Type	Hydrogen		
	Pressure	1 ± 0.2 bar.g		
	Consumption	70 g/kWh		
	Feed (external)	From the H ₂ tank		
	Concentration	≥ 99.9 %		
	Mass	1.17 kg	1.4 kg	3 kg
	Size	176 x 215 x 70 mm	206 x 215 x 70 mm	404 x 215 x 70 mm
	Connection	6 mm tube		
	Vibration	5 ~ 200 Hz, random test, 3-axis for 21 hrs		
	Shock	30 G, 3axis for 10 times		
Environmental Operation Condition	Operating Temperature	-35~ 35 °C		
	Storage Temperature	5 ~ 35 °C		




Air-cooled Fuel Cell

Operation in - 35 °C

HYCUS X1



Specifications

		HYCUS X1	HYCUS X2	HYCUS X4
				
Performance	Rated Power	1.25 kW @ 0.5 A/cm ²	1.6 kW @ 0.6 A/cm ²	3.5 kW @ 0.6 A/cm ²
	Rated Voltage	43.2 V @ 0.5 A/cm ²	51.0 V @ 0.6 A/cm ²	102.0 V @ 0.6 A/cm ²
	Voltage Range	42 ~ 63 Vdc	49 ~ 75.6 Vdc	98 ~ 151.2 Vdc
Fuel	Type	Hydrogen		
	Pressure	1 ± 0.2 bar.g		
	Consumption	70 g/kWh		
	Feed (external)	From the H ₂ tank		
	Concentration	≥ 99.9 %		
Operation Maintenance	Start/Stop (Auto)	Controls time, voltage and current to operate (factory default)		
	Start-up time	≤ 60 s		
	IP rate	IP 20		
Physical	Mass	3.1 kg	3.4 kg	6 kg
	Size	305 x 290 x 210 mm	332 x 290 x 210 mm	612 x 292 x 210 mm
	Fuel Gas Connection	Installing the XT90-M Connection		
	Battery Connection	Installing the XT30U-M Connection		
	Environmental operating conditions	Operating Temperature	-35~ 35 °C	
Storage Temperature		5 ~ 35 °C		

Air-cooled Fuel Cell

Operation in - 35 °C

HYCUS X1



Specifications

Performance	Rated Power	1250 W
	Peak Power(continuous time)	1650 W (3sec)
Physical	Mass	3160 g
	Dimensions(W x D x H)	290 x 293 x 214 mm
Fuel Supply Conditions	Type	Hydrogen
	Pressure	1 ± 0.2 bar.g
	Consumption	70 g/kWh
	Feed (external)	From the H ₂ tank
	Concentration	≥ 99.9 %
Environmental operating conditions	Startup Temperature	-20 ~ 35 °C
	Operating Temperature	- 35 ~ 35 °C
	Storage Temperature	5 ~ 35 °C
	Maximum altitude	2000 m
	Operating Humidity	0 ~ 90 % R.H.
Other features	FCPM Warranty	2200 hours
	Communication protocol	CAN
	Input electrical connector	XT30U-M
	Output electrical connector	XT90-M

Air-cooled Fuel Cell Powerpack

CE certificated product

HYCUS XR

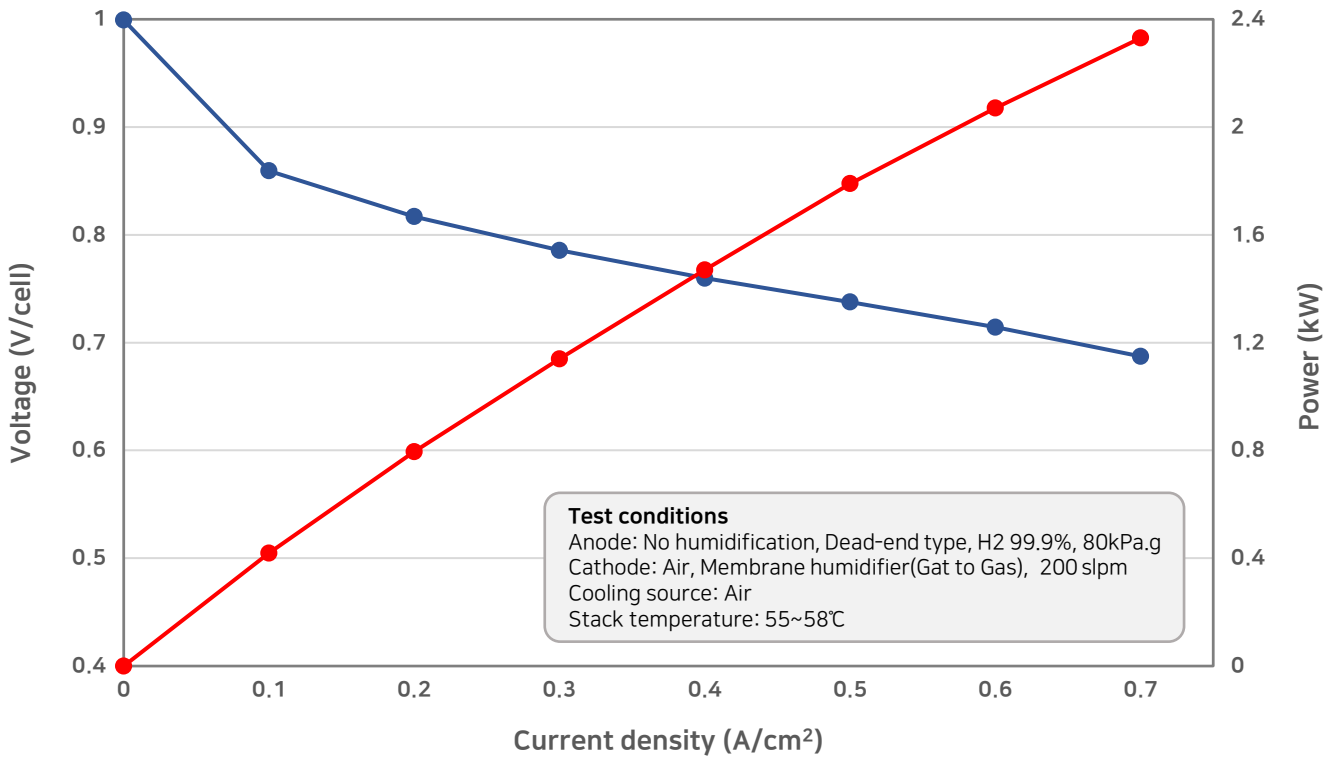


Specifications

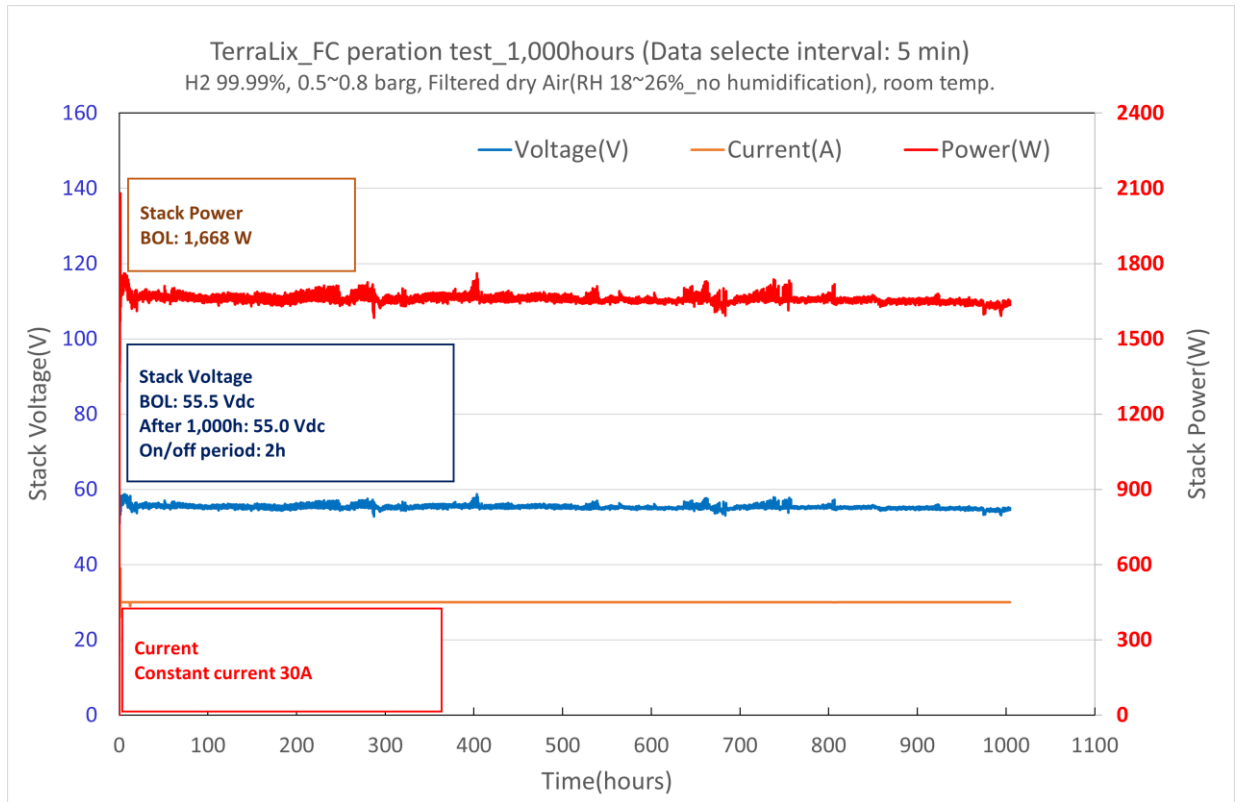
HYCUS XR2		
Performance	Rated Power	1.5 kW
	Max. Power	2.0 kW
	Voltage Range	50 ~ 55 Vdc
	Exhaust gas	Vaper, hydrogen and mixed gas
	Battery (Not included)	48 V battery
Fuel	Type	Hydrogen
	Pressure	1 ~ 2 bar.g
	Consumption	70 g/kWh
	Feed (external)	From the H ₂ tank
	Concentration	≥ 99.9 %
Operation Maintenance	Start/Stop (Auto)	Controls time, voltage and current to operate (factory default)
	Start-up time	≤ 60 s
	IP rate	IP 20
Physical	Mass	55 kg
	Size	400 x 830 x 400 mm
	Communication	CAN Bus
	H ₂ gas Connection	Quick connect
	Power Connection	Installing the XT90-F connection
	Battery Connection	Installing the XT60-F connection
	Vibration	10 ~ 190 Hz, 0.75 ~ 2.5G, 3-axis for 2,000 cycles
Shock	3.5G and 5G (vertical), 30 Hz, 3-axis for 2,000 cycles	
Environmental Operation Conditions	Operating Temperature	-35 ~ 35 °C
	Startup Temperature	-20 ~ 35 °C
	Storage Temperature	5 ~ 35 °C

Unit cell I-V curve

Air-cooled type



Durability Test



HYDROGEN

A company specialized in the development of hydrogen fuel cell power pack

TERRALIX

A global leader who creates a cleaner world through
innovative hydrogen fuel cell power pack technology

INTRODUCTION PRESENTATION

TerraLIX Co., Ltd

HYDROGEN

Connect with TerraLIX

*For Pricing, Different powers,
Portability options available in
consultation with TerraLIX

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