



### Easy Installation

Flexible configuration, plug and play set-up, built-in fuse protection.



### High Voltage

Includes high-voltage batteries for maximum round-trip efficiency.



### IP65 Rated

Engineered to last with maximum flexibility. Suitable for outdoor installation.



### Remote Monitoring

Monitor your system remotely via smartphone app or web portal.

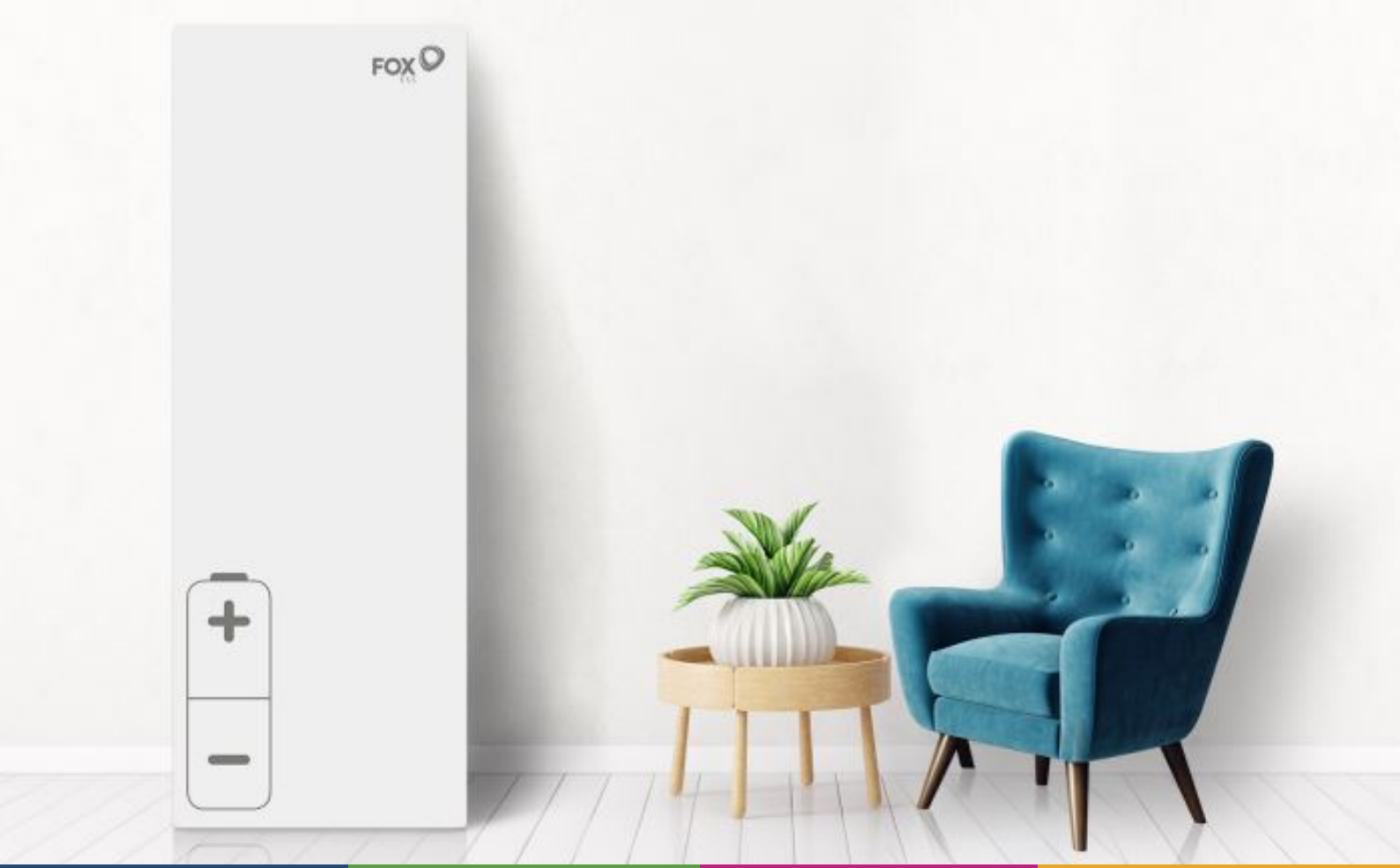
## ALL-IN-ONE | SUPERIOR PERFORMANCE

97%

CHARGE EFFICIENCY  
97%

97%

DISCHARGE EFFICIENCY  
97%



## FOX AIO | PERFORMANCE & RELIABILITY

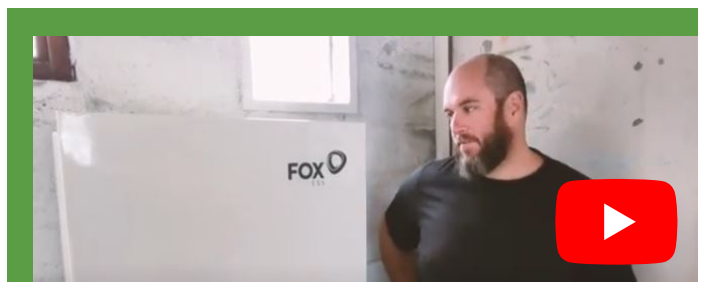
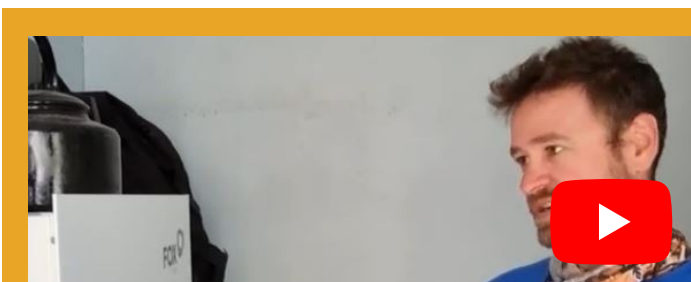
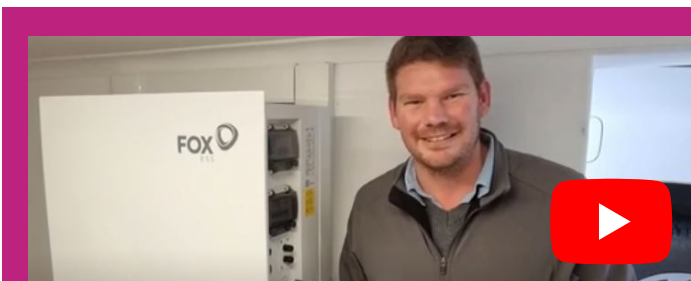


# TECHNICAL SPECIFICATIONS

Model	AIO-H1-3.0	AIO-H1-3.7	AIO-H1-4.6	AIO-H1-5.0	AIO-H1-6.0
<b>INPUT PV</b>					
Max.recommended DC power [W]	4500	5550	6900	7500	9000
Max.DC voltage [V]			600		
Nominal DC operating voltage [V]			360		
Max. input current [A]			12.5		
Max. short circuit current [A]			15		
MPPT voltage range [V]			80-550		
No. of MPP trackers	2	2	2	2	2
Strings per MPP tracker	1	1	1	1	1
<b>OUTPUT AC</b>					
Nominal AC power [VA]	3000	3680	4600	4999	6000
Max. apparent AC power [VA]	3000/3300	3680/4048	4600	5500	6600
Rated grid voltage (AC voltage range) [V]			220/230/240 (180 to 270)		
Rated grid Frequency [Hz]			50/60		
Nominal AC current [A]	13	16	20	21.7	26.1
Max. AC current [A]	14.4	16/18	21	21.7	28.71
Displacement power factor			0.8 leading to 0.8 lagging		
Total harmonic distortion (THDi, rated power)			<3%		
<b>INPUT AC</b>					
Nominal AC power [VA]	3000	3680	4600	4999	6000
Nominal AC current [A]	13	16	20	21.7	26.1
Max. AC current [A]	14.4	16	21	21.7	26.1
Rated grid voltage (AC voltage range) [V]			220/230/240 (180 to 270)		
Rated grid Frequency [Hz]			50/60		
Power Factor			0.8 leading to 0.8 lagging		
<b>BATTERY</b>					
Battery voltage range [V]			85-450		
Recommended battery voltage [Vdc]			300		
Max.charge/discharge power [W]			6000		
Max.charge/discharge current [A]			35		
Communication interfaces			CAN/RS485		
Reverse connect protection			YES		
<b>EPS OUTPUT (WITH BATTERY)</b>					
EPS MAX power [VA]	5000	5000	6000	6000	7200
EPS rated power [VA]	4000	4000	5000	5000	6000
EPS rated voltage [V], Frequency [Hz]			230VAC, 50/60		
EPS rated current [A]	17.4	17.4	21.7	21.7	26.1
EPS peak power [W]			7200, 10s		
Total harmonic distortion (THDv, linear Load)			<2%		
Compatible with the generator			Yes		
<b>EFFICIENCY</b>					
MPPT efficiency	99.90%	99.90%	99.90%	99.90%	99.90%
Euro-efficiency	97.00%	97.00%	97.00%	97.00%	97.00%
Max. efficiency	97.80%	97.80%	97.80%	97.80%	97.80%
Max. efficiency (PV to BAT) @full load	98.50%	98.50%	98.50%	98.50%	98.50%
Max. efficiency (BAT to AC) @full load	97.00%	97.00%	97.00%	97.00%	97.00%
<b>POWER CONSUMPTION</b>					
Standby consumption [W] (Idle)			<3		
Idle mode			YES		
<b>STANDARD</b>					
Safety			IEC62109-1/-2 / IEC62040		
EMC			EN 61000-6-1 / EN 61000-6-2 / EN 61000-6-3		
Cetification			G98 / VDE-AR-N 4105 / G99 / AS4777 / EN50438/ CEI 0-21 / VDE 2510 / NRS097-2-1		
<b>ENVIRONMENT LIMIT</b>					
Ingress protection			IP65		
Operating temperature range [°C]			-20..... +60 (derating at +45)		
Humidity [%]			0~100 (non-condensing)		
Altitude [m]			<2000		
Storage temperature [°C]			-20..... +60		
Noise emission (typical) [dB]			40		
Over voltage category			III (electric supply side), II (PV side)		
<b>GENERAL DATA</b>					
Dimensions (HxWxD) [mm]			1660*620*340cm		
Weight [kg]			60		
Cooling concept			Natural		
Topology			Transformerless		
Communication			Ethernet, Meter, WIFI(optional), DRM, USB, CT		
LCD display			Backlight 20*4 character		
Button			Capacitive Touch Sense		



## CLIENT | TESTIMONIALS



# FOX AIO | REMOTE MANAGEMENT

The FoxESS All in One comes standard with a WiFi Module and Smart Phone APP that provides full remote management and system configuration.



You can check your power from anywhere **01**

Manage your system no matter where you are **02**

Efficient and easy to use **03**



# FOX APP | CUSTOMER TESTIMONIALS





FOX  
ESS

up to  
**6kW**  
charge/  
discharge

REFINED – POWERFUL – FLEXIBLE

## BATTERY EXPANSION EASY UPGRADE



Expand your system easily by simply adding additional batteries. There are three battery-size options and four batteries can be installed IN series, providing up to 10.4kw of storage capacity.



THE ENERGY STORAGE HIDDEN

# GIANT

FIND OUT MORE - [WWW.FOX-ESS.COM](http://WWW.FOX-ESS.COM)



## FoxESS

## WHO IS FoxESS | GLOBAL LEADERS

Fox is a global leader in the development of inverter and energy storage solutions. Engineered by some of the world's leading inverter and battery experts, our products are breaking new ground; offering customers the most advanced product features currently available, coupled with unrivaled performance and reliability.

Fox is part of a global conglomerate of renowned and recognized companies. A key shareholder is Tsingshan Group, a Fortune Global 500 company and the largest producer of stainless steel in the world.



# TSINGSHAN GROUP | GLOBAL GIANT



## STEEL GIANT

World's largest producer of stainless steel & world's largest nickel mine operator.



## FORTUNE 500

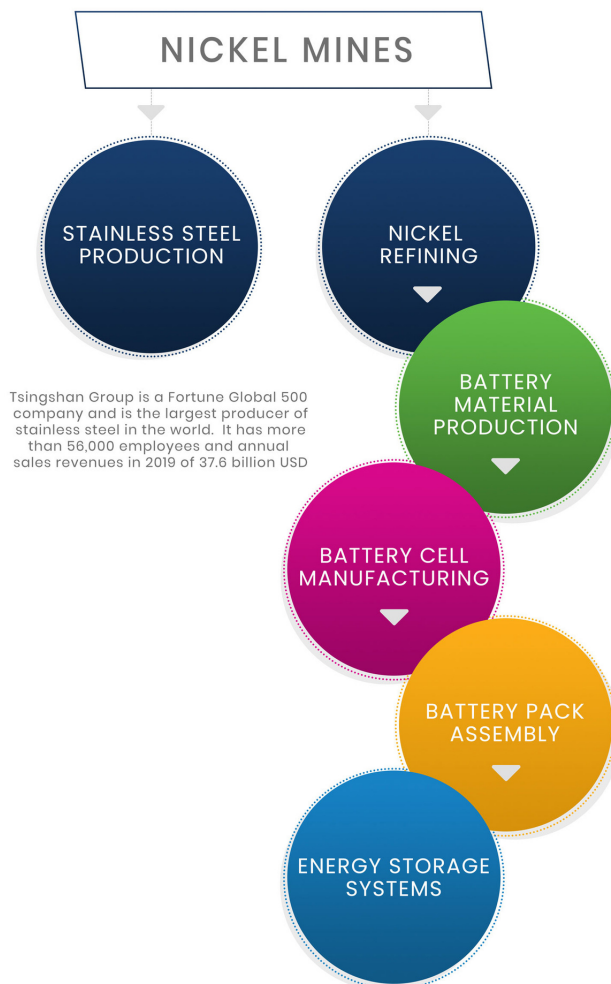
Ranked 279st in the Fortune Global 500 list of the world's largest companies.



## FINANCIAL STRENGTH

Sales revenues in 2020 in excess of 42.4 billion USD.

# STEEL TO STORAGE | CONTROLLING THE CHAIN



Tsingshan Group is a Fortune Global 500 company and is the largest producer of stainless steel in the world. It has more than 56,000 employees and annual sales revenues in 2019 of 37.6 billion USD

Tsingshan Group controls the complete production chain including nickel-chromium alloy smelting, battery material production, battery cell manufacturing, battery pack assembly and supply of energy storage systems to global markets.

1

Joint venture (QMB) established with GMA, Brunp Recycling and various other enterprises in Indonesia.

2

Established REPT battery manufacturing facility following a 5 billion RMB investment. Total annual production capacity of 18GWh in 2020.

3

4

5

FoxESS was founded in September 2019 and will design and manufacture advanced energy storage products for global markets.



FoxESS South Africa | ONLINE

