

# System Specifications

## LBEX-5K



## Features

- Highly Cost efficient
- Long lifetime
- High performance alkaline water electrolysis system
- Expandable to customers desired power range
- Optional features: external tank, ultra purifier, chiller, distilled water supply

# System Dimensions



Specification	Contents	ETC
H2 output	1,000L per hour 89 grams per hour	
O2 output	500L per hour 716grams per hour	
H2 Purity without purifier	99.5~99.9%	
O2 Purity	98%	
H2 purity with purifier	99.999%	
Circulation flow rate	4 L per minute	
Power capacity range	< 5KW	
Stack Operational Voltage	40.8~48V	
Stack Operational Current	40~100A	80A optimum
Current Density range	0.4~0.5A/cm <sup>2</sup>	
Stack type	Alkaline 24 Cell	1PC
Inlet water pressure	1 atm	
Inlet water type (ASTM)	Type III distilled water	Resistivity (4MΩ-cm) Conductivity (<0.25 μS/cm)
Water Consumption	0.8L per hour	
Adjustable pressure	0~7 barg	
Shutdown time	20 minutes	
Ambient operating temperature	15~35°C	
Electrolyte inlet Temperature	10~60°C	
Dimensions	1,000*550*1,200 (mm)	(L*W*H)
Weight	242kg	