



HY-REX100 RANGE EXTENDER FOR HEAVY DUTY VEHICLES

100 kW PEM fuel cell system

Zero emissions – only water vapor

High efficiency

Ultra compact, extremely lightweight

Very high durability under various conditions

Ideal for heavy duty range extender and other mobile applications

Multiple units for large stationary systems on demand



HY-REX100 RANGE EXTENDER FOR HEAVY DUTY VEHICLES



FC system technical data	HyRex 100-E
Number of cells	455
Max. continuous net power	100 kW
DC net out at max. cont. power	332 V – 300 A
Voltage range (Peak Power EOL .. OCV BOL)	250 .. 500 V
System Efficiency (LHV H2 into DC stack out)	50% at max. power
Dimensions (H x W x D) ¹⁾	780 x 650 x 532 mm
Weight ²⁾	98 kg
Durability (depending on usage profile)	> 5000 h

1) Not included: brackets, covers, heat shields, coolant reservoir

2) All included (but Radiator and DC/DC converter not within system content)



The Swiss engineering company ESORO has integrated a HyRex 100-E unit into a 34 t truck for COOP in autumn 2016:



Swiss Hydrogen SA
Passage du Cardinal 1
CH-1700 Fribourg
Tél. +41 26 552 04 30
info@swisshydrogen.ch
www.swisshydrogen.ch