Proud integration and service provider:

total hydrogen solutions







Product Specification

E-45

E-60

PERFORMANCE*

Net output power**	47 kW	59 kW***
Operating voltage	175–290 VDC	
Maximum operating current	312.5 A	375 A
Peak efficiency	5	58%

PHYSICAL

Dimensions (L x W x H)	1000 x 600 x 500 mm	
Mass	188 kg	190 kg

OPERATION

-30°C to 45°C	
De-ionized water or fuel cell glycol mix	
Air	
SAE J2719, ISO 14687-2	
0.70–1.05 bara	
12.5–15.0 bara	
1.2 kW at 27 VDC 4.0 kW at 375 VDC	1.2 kW at 27 VDC 8.0 kW at 375 VDC
3.5 kW	
CAN 2.0B	
	De-ionized water of SAE J2719, 0.70–1 12.5–1 1.2 kW at 27 VDC 4.0 kW at 375 VDC 3.5

STANDARDS

Nuvera certifications	ISO-9001, ISO-14001, ISO-45001
Regulatory conformance	2006/42/EC, 2011/65/EU, 2014/30/EU IEC 62282-2, GB/T 29838, GB/T 33978, CE- Declaration of Incorporation
Functional safety	ISO 13849-1:2015

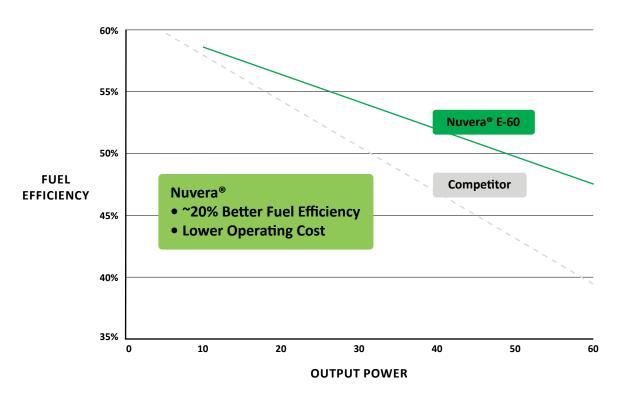
*Beginning of life **±5% tolerance on power measurements ***Power and efficiency data verified by Shanghai Motor Vehicle Inspection Center +Power required during-30% freeze prestart cycle only

 On-Road
 Off-Road
 Port Vehicles and Equipment
 Stationary and Portable
 Maritime

E-Series Engine Components



Nuvera[®] E-60 Fuel Cell Engine





www.TotalHydrogen.com