

# SAVEEN EVE Fuel Cell Specification

Model	Units	SAVEEN EVE Hybrid 100
<b>Input side(PV)</b>		
Max. allowable DC voltage	V	1000
Rated Input DC voltage	V	300
DC operating range	V	250-830
Normal DC Current	A	356
Max. DC current	A	356
<b>Input side(Battery)</b>		
Max. allowable DC voltage	V	1000
Rated Input DC voltage	V	300
DC operating range	V	250-830
Normal DC Current	A	356
Max. DC current	A	356
<b>Output side</b>		
Rated AC operating voltage	V	380
AC operating voltage range	V	± 10%
Max. AC current	A	152 X 2
AC rated power	kW	100 X 2
Grid frequency	Hz	50/60
Power factor $\cos\phi$ (@rated)	-	1
$\cos\phi$ range	-	0.8 lagging to 0.8 leading
Current distortion	%	<3
Feed-in phases / Connection phase	-	3 / 4
<b>Efficiency</b>		
Inverter Max. Efficiency(Estimated)	%	97
Inverter EU efficiency(Estimated)	%	96.5
Inverter efficiency(@rated)	%	96
<b>Size &amp; Weight</b>		
Width, Height, Depth(W/H/D)	mm	1200/1740/800
Weight(Estimated)	kg	350
<b>Ambient operating conditions</b>		
Enclosure type	-	NEMA 3R
Ambient temperature	°C	-20 ~ +50
Humidity	%	0 ~ 95(Non-condensing)
Max. height above sea-level	m	1000
<b>Communication &amp; Standard</b>		
Standard	-	Modbus TCP
Optional	-	DNP, IEC61850
EMC	-	EN61000-6-2, EN 61000-6-4, EN 61000-3-3, EN 61000-3-12
Safety	-	IEC62477-1, IEC62109-1
Marking	-	CE
Ground fault detection device	-	Optional