

SAVEEN EVE Hybrid Specification

Model	Units	SAVEEN EVE Hybrid 60	SAVEEN EVE Hybrid 200
Input side(PV)		40kW DC/DC Converter	120kW DC/DC Converter
Max. allowable DC voltage	V	1000	1000
Rated Input DC voltage	V	300	300
DC operating range	V	250-830	250-830
Normal DC Current	A	143	427
Max. DC current	A	143	427
Input side(Battery)		20kW DC/DC Converter	80kW DC/DC Converter
Max. allowable DC voltage	V	1000	1000
Rated Input DC voltage	V	300	300
DC operating range	V	250-830	250-830
Normal DC Current	A	72	285
Max. DC current	A	72	285
Output side		60kW DC/AC Converter	100kW DC/AC Converter X2
Rated AC operating voltage	V	380	380
AC operating voltage range	V	± 10%	± 10%
Max. AC current	A	92	152 X 2
AC rated power	kW	60kW	100 X 2
Grid frequency	Hz	50/60	50/60
Power factor cosφ(@rated)	-	1	1
cosφ range	-	0.8 lagging to 0.8 leading	0.8 lagging to 0.8 leading
Current distortion	%	< 3	< 3
Feed-in phases / Connection phase	-	3 / 4	3 / 4
Efficiency			
Inverter Max. Efficiency(Estimated)	%	97	97
Inverter EU efficiency(Estimated)	%	96.5	96.5
Inverter efficiency(@rated)	%	96	96
Size & Weight			
Width, Height, Depth(W/H/D)	mm	1200/1740/800	4800/1740/800
Weight(Estimated)	kg	350	1400
Ambient operating conditions			
Enclosure type	-	NEMA 3R	NEMA 3R
Ambient temperature	℃	-20~+50	-20~+50
Humidity	%	0~95(Non-condensing)	0~95(Non-condensing)
Max. height above sea-level	m	1000	1000
Communication			
Standard	-	Modbus TCP	Modbus TCP
Optional	-	DNP, IEC61850	DNP, IEC61850
Standards			
EMC	-	IEC61000-6-2, IEC61000-6-4, IEC61000-3-3, IEC61000-3-12	IEC61000-6-2, IEC61000-6-4, IEC61000-3-3, IEC61000-3-12
Safety	-	IEC62477-1, IEC62109-1	IEC62477-1, IEC62109-1
Marking	-	CE	CE
Equipment			
Ground fault detection device	-	Optional	Optional