

# SAVEEN 250/500kW GT H Specification

Model	Units	SAVEEN250 (GT-HV)	SAVEEN500 (GT-HV)
<b>Input side(Energy Storage)</b>			
Max. Allowable DC Voltage	V	1100	1100
Rated DC Voltage	V	740	740
DC Operating Range	V	740~1100	740~1100
Rated DC Current	A	372	744
<b>Output side(Grid)</b>			
Rated AC Voltage	V	440	440
AC Operating Voltage Range	V	± 10%	± 10%
Rated AC Current	A	328	657
Rated AC Power	kVA	250	500
Grid Frequency	Hz	50 / 60	50 / 60
Power Factor cosφ(@rated)	-	1	1
cosφ Range	-	± 0 ~ 1 (조정가능)	± 0 ~ 1 (조정가능)
Current Distortion(@rated)	%	< 3	< 3
Connection Phase	-	3 phase 3 wire	3 phase 3 wire
<b>Efficiency</b>			
Max. Efficiency	%	98	98
Round Trip Efficiency(Estimated)	%	96	96
<b>Size &amp; Weight</b>			
Size(W/H/D)	mm	1300/2000/800	1800/2000/800
Weight	kg	838	1320
<b>Ambient operating conditions</b>			
IP Protection Class	-	IP20	IP20
Ambient Temperature	°C	-10 ~ +40	-10 ~ +40
Humidity	%	0 ~ 95 (Non-condensing)	0 ~ 95 (Non-condensing)
Max. Height above sea-level	m	2000	2000
<b>Communication</b>			
Default	-	(BMS : Modbus RTU or CAN) / (EMS : Modbus TCP)	
Optional	-	(BMS : Modbus TCP) / (EMS : DNP3.0, IEC61850)	
<b>Standards</b>			
EMC	-	EN61000-6-2, EN61000-6-4, EN61000-3-3, EN61000-3-12, EMC- conformity	
Safety	-	IEC62477-1 conformity	
<b>Protection</b>			
Ground Fault Detection Device	-	Optional	Optional
AC	-	MCCB	MCCB
DC	-	DS+fuse	DS+fuse

\*해당 제품의 사양 및 외형 이미지는 추후에 변경될 수 있습니다.

# SAVEEN

## 0.4/0.8/1.0/1.25/1.6/2.0/2.5MW GT H Specification

Model	Units	SAVEEN400 (GT-HV)	SAVEEN800 (GT-HV)	SAVEEN1000 (GT-HV)	SAVEEN1250 (GT-HV)	SAVEEN1600 (GT-HV)	SAVEEN2000 (GT-HV)	SAVEEN2500 (GT-HV)
<b>Input side(Energy Storage)</b>								
Max. Allowable DC Voltage	V	1100	1100(1500)	1100(1500)	1100(1500)	1100(1500)	1100(1500)	1100(1500)
Rated DC Voltage	V	740	740	740	740	740	740	740
DC Operating Range	V	740 ~ 1100	740 ~ 1100	740 ~ 1100	740 ~ 1100	740 ~ 1100	740 ~ 1100	740 ~ 1100
Rated DC Current	A	595	1190	1487	1859	2379	2973	3717
<b>Output side(Grid)</b>								
Rated AC Voltage	V	440	440	440	440	440	440	440
AC Operating Voltage Range	V	± 10%	± 10%	± 10%	± 10%	± 10%	± 10%	± 10%
Rated AC Current	A	525	1050	1313	1641	2100	2625	3281
Rated AC Power	kVA	400	800	1000	1250	1600	2000	2500
Grid Frequency	Hz	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60
Power Factor cosφ(@rated)	-	1	1	1	1	1	1	1
cosφ Range	-	± 0 ~ 1 (조정가능)	± 0 ~ 1 (조정가능)	± 0 ~ 1 (조정가능)	± 0 ~ 1 (조정가능)	± 0 ~ 1 (조정가능)	± 0 ~ 1 (조정가능)	± 0 ~ 1 (조정가능)
Current Distortion(@rated)	%	< 3	< 3	< 3	< 3	< 3	< 3	< 3
Connection Phase	-	3phase 3wire (Option : 4 wire)	3phase 3wire	3phase 3wire	3phase 3wire	3phase 3wire	3phase 3wire	3phase 3wire
<b>Efficiency</b>								
Max. Efficiency	%	98	98	98	98	98	98	98
Round Trip Efficiency(Estimated)	%	96	96	97	96	96	96	96
<b>Size &amp; Weight</b>								
Size(W/H/D)	mm	1700 / 2200 / 805	2600 / 2200 / 805	3100 / 2200 / 805	3100 / 2200 / 805	3600 / 2200 / 805	4100 / 2200 / 805	4600 / 2200 / 805
Weight	kg	1500	2100	2500	2500	3100	3600	4000
<b>Ambient operating conditions</b>								
IP Protection Class	-	IP20	IP20	NEMA1	IP20	IP20	IP20	IP20
Ambient Temperature	°C	-10 ~ +40	-10 ~ +40	-10 ~ +40	-10 ~ +40	-10 ~ +40	-10 ~ +40	-10 ~ +40
Humidity	%	0 ~ 95 (Non-condensing)	0 ~ 95 (Non-condensing)	0 ~ 95 (Non-condensing)	0 ~ 95 (Non-condensing)	0 ~ 95 (Non-condensing)	0 ~ 95 (Non-condensing)	0 ~ 95 (Non-condensing)
Max.Height above sea-level	m	2000	2000	2000	2000	2000	2000	2000
<b>Communication</b>								
Default	-	(BMS : Modbus RTU or CAN) / (EMS : Modbus TCP)						
Optional	-	(BMS : Modbus TCP) / (EMS : DNP3.0, IEC61850)						
<b>Standards</b>								
EMC	-	EN61000-6-2, EN61000-6-4, EN61000-3-3, EN61000-3-12, EMC- conformity		FCC Class A	EN61000-6-2, EN61000-6-4, EN61000-3-3, EN61000-3-12, EMC- conformity			
Safety	-	IEC62477-1 conformity	IEC62477-1 conformity	UL1741 SA, CSA C22.2 No.107.1-16 (cTUVus)	IEC62477-1 conformity	IEC62477-1 conformity	IEC62477-1 conformity	IEC62477-1 conformity
<b>Protection</b>								
Ground Fault Detection Device	-	Optional	Optional	Optional	Optional	Optional	Optional	Optional
AC	-	MCCB	ACB	ACB	ACB	ACB	ACB	ACB
DC	-	DS	DS	DS+fuse	DS+fuse	CB/DS+fuse	CB/DS+fuse	DS+fuse

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