



# Sigen Storage Controller

3.0 – 6.0 kW Single Phase

- EMS inside for precise control
- Max. 6 batteries for a single system
- 0 ms quick switch to backup mode
- IP66 system protection rating
- WLAN, Ethernet & 4G communication
- Visible energy tracking on mySigen App



## Sigen Storage Controller 3.0–6.0 kW Single Phase

SigenStor AC	3.0 SP	3.6 SP	4.0 SP	4.6 SP	5.0 SP	6.0 SP	Units
<b>AC Output (on-grid)</b>							
Nominal output power	3000	3680	4000	4600	5000	6000	W
Max. output apparent power	3300	3680	4400	5000	5500	6600	VA
Nominal output current	13.6	16.0	18.2	20.9	22.7	27.3	A
Max. output current	15.0	16.0	20.0	22.7	25.0	30.0	A
Nominal output voltage	220 / 230 / 240						V
Nominal grid frequency	50 / 60						Hz
Power factor	0.8 leading ~ 0.8 lagging						
Total current harmonic distortion	THDi < 2%						
<b>Efficiency</b>							
Max. efficiency	98.0%						
<b>AC Output (backup)</b>							
Peak output power (10 seconds)	4500	5520	6000	6900	7500	9000	W
Nominal output voltage	220 / 230 / 240						V
Nominal output frequency	50 / 60						Hz
Power factor	0.8 leading ~ 0.8 lagging						
Total voltage harmonic distortion	THDv < 2%						
Switch time to backup mode <sup>1</sup>	0						ms
<b>Battery Connection</b>							
Battery module models	SigenStor BAT 5.0 / 8.0						
Number of modules per controller	1 ~ 6						pcs
Battery module voltage range	300 ~ 600						V
<b>General Data</b>							
Dimensions (W / H / D)	700 / 300 / 245						mm
Weight	16.5						kg
Storage temperature range	-40 ~ 70						°C
Operating temperature range	-30 ~ 60						°C
Relative humidity range	0% ~ 95%						
Max. operating altitude	4000						m
Cooling	Natural convection						
System ingress protection rating	IP66						
Communication	WLAN / Fast Ethernet / RS485 / Sigen CommMod (4G/3G/2G)						
<b>Standard Compliance</b>							
Standard <sup>2</sup>	IEC/EN 62109-1, IEC/EN 62109-2, IEC/EN 62477, IEC/EN 61000-6-1, IEC/EN 61000-6-2						

1. Need to be used together with Sigen Energy Gateway and Sigen Battery. Test conditions: In the open-circuit state of the power grid, the nominal power of the Sigen Storage Controller is higher than the total power of the home loads.
2. For all standards refer to the certificates category in the Sigenenergy website.