



Sigen Energy Controller

On & off-grid compatibility

3.0 - 6.0 kW Single Phase

- EMS inside for precise control
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- Multi-source black start
 DC/AC ratio up to 2
- IP66 system protection rating



www.sigenergy.com

Sigen Energy Controlle

SigenStor EC

DC Input (from PV)

Max. PV power	
Max. DC input voltage	
Nominal DC input voltage	
Start-up voltage	
MPPT voltage range	
Number of MPP. trackers	
Number of PV strings per MPPT	
Max. input current per MPPT	
Max. short-circuit current per MPPT	
AC Output (on-grid)	

AC Output (on-grid)

Nominal output power
Max. output apparent power
Nominal output current
Max. output current
Nominal output voltage
Nominal grid frequency
Power factor
Total current harmonic distortion

Efficiency

Max. efficiency
European efficiency

AC Output (backup)

Battery Connection

Battery module models Number of modules per controller Battery module voltage range

Protection

Safety protection feature

General Data

Dimensions (W / H / D)	
Weight	
Storage temperature range	
Operating temperature range	
Relative humidity range	
Max. operating altitude	
Cooling	
System ingress protection rating	
Communication	

Standard Compliance

Standard ³

- This refers to the load-side disruption tin 1. Energy Controller and Sigen Battery. Test Controller is higher than the total power
- This is an optional feature only supporte 2.
- For all standards refer to the certificates З.

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