

SMILE-G3



Model	SMILE-G3-S5
--------------	-------------

System Specification

Nominal Output Power	5000 W
Capacity Range	10.1 ~ 60.5 kWh (95% DoD)
Battery Chemistry	LFP (LiFePO4)
IP Protection	IP65 (Outdoor)
System Dimension (W x D x H)	610 x 230 x 1168 mm (with Bracket)
System Weight	109.5 kg
Warranty	5 Year Product Warranty, 10 Year Battery Performance Warranty

Inverter Technical Specification

Model	SMILE-G3-S5-INV
Coupling	Hybrid
Max. PV Input Power	10000 W
Max. PV Input Current	15 A / 15 A
Nominal PV Input Voltage	580 V
MPPTNumber/Max. Input Strings Number Per MPPT	2/1
MPPT Voltage Range	100 ~ 550 V
Max. PV Short-circuit Current	18.75 A / 18.75 A
Max. Charging/Discharging Current	60 A
Max. Charging/Discharging Power	5000 W
Rated Frequency	50 / 60 Hz
Rated Voltage	230 V
Max. AC Output Current	15.6 A / 21.7 A / 21.7 A
Max. AC Input Current	31.3 A / 43.5 A / 43.5 A
Backup	UPS
Communication	Ethernet / WiFi
Humidity	0~90% (No Condensing)
Dimension (W x D x H)	610 x 212 x 366 mm
Weight	19.5 kg
Safety	IEC 62109, IEC 62040
EMC	EN61000-6-1/-2 /-3/-4
Grid Regulation	AS4777.2, NRS 097

Battery Technical Specification

Module Mode	SMILE-G3-BAT-10.1P
Module Capacity	10.1 kWh
Usable Capacity	9.6 kWh
Depth of Discharge (DoD)	95%
Nominal Voltage	96 V
Max. Charging/Discharging Current	60 A
Operating Temperature Range	-10 °C ~ 50 °C*
Cycle Life	8000**
Battery Modules Connection	1 ~ 6 in Parallel

* When the ambient temperature is too low or too high, the performance of battery may be limited.
 ** Under specific test conditions.



<p>Headquarter: Alpha ESS Co., Ltd.</p> <p>+86 513 8060 6891 info@alpha-ess.com www.alpha-ess.com Jiuhua Road 888, Nantong High-Tech Industrial Development Zone, Nantong City, 226300</p>	<p>Alpha ESS Suzhou Co., Ltd.</p> <p>+86 512 6828 7609 info@alpha-ess.com www.alpha-ess.com Building 10-A, Canal Town Industrial Park, 99 Taihu E Rd, Wuzhong District, Suzhou 215000</p>	<p>Australia: Alpha ESS Australia Pty. Ltd.</p> <p>+61 402 500 520 (Sales) +61 1300 968 933 (Technical Support) australia@alpha-ess.com www.alpha-ess.com.au Unit 1, 2 Ralph Street Alexandria NSW 2015</p>	<p>Germany: Alpha ESS Europe GmbH</p> <p>+49 6103 4591 601 europe@alpha-ess.de www.alpha-ess.de Paul-Ehrlich-Straße 1a, D-63225 Langen, Hessen</p>
---	--	---	---

<p>Italy: Alpha ESS Italy S.r.l.</p> <p>+39 599 239 50 info@alpha-ess.it www.alpha-ess.it Via Loda, 17-41013 Castelfranco Emilia (MO)</p>	<p>Korea: Alpha ESS Korea Co., Ltd.</p> <p>+82 64 721 2004 korea@alpha-ess.com www.alpha-ess.com 2F, 19-4, Nohyeong 11-gil, Jeju-si, Jeju-do, Republic of Korea</p>	<p>USA: Alpha ESS USA, Inc.</p> <p>USA@alpha-ess.com 638 S Ahwanee Ter Sunnyvale, California, 94085 United States of America</p>	<p>UK: Alpha ESS UK Ltd.</p> <p>uk@alpha-ess.com Drake House, Long Street, Dursley, gl11 4hh</p>	<p>Singapore: Alpha ESS International Pte. Ltd.</p> <p>Singapore@alpha-ess.com 2 Corporation Road #01-06A Corporation Place Singapore 618494</p>
--	--	---	---	---