

SMILE-T10-HV



Model		SMILE-T10-HV
System Specification		
Nominal Output Power	10000 W	
Capacity Range	8.2 ~ 49.2 kWh (95% DoD)	
Battery Chemistry	LFP (LiFePO4)	
IP Protection	IP65(Outdoor) / IP21(Indoor)	
Warranty	5 Year Product Warranty, 10 Year Performance Warranty	

Inverter Technical Specification			
Model	SMILE-T10-HV-INV	Rated Voltage	380 / 400 V
Max. PV Input Power	16000 W	Phase	Three phase
Max. PV Input Current	2 x 26 A	Backup	UPS
Max. PV Input Voltage	1000 V	Communication	Ethernet / WiFi / 4G
MPPT Number/ Max. input strings number per MPPT	2/2	Start Up Voltage	160 V
MPPT Voltage Range	200 ~ 850 V	Humidity	15% ~ 85% (No Condensing)
Max. PV Short-circuit Current	2 x 39 A	Dimension (W x D x H)	580 x 230 x 606 mm
Max. Charging / Discharging Current	40 A	Weight	30 kg
Rated Voltage	10000 W	Safety	IEC 62109, IEC 62040
Rated Frequency	50 / 60 Hz	EMC	EN61000-6-1/-2/-3/-4
Grid Regulation	VDE-AR-N 4105, EN 50549, C10/11, NC RfG, G98, G100, TOR Erzeuger, AS4777.2, PEA		

Battery Technical Specification	
Module Model	SMILE-BAT-8.2 PH
Module Capacity	8.2 kWh
Usable Capacity	7.8 kWh
Depth of Discharge (DoD)	95%
Nominal Voltage	256 V
Max. Charging/Discharging Current	32 A
Operating Temperature Range	-10 °C ~ 50 °C*
Cycle Life	10000**
Battery Modules Connection	1 ~ 6 in parallel

* When the temperature is below 0 °C or above 40 °C, the performance will be limited.
 ** Under specific test conditions



Headquarter: Alpha ESS Co., Ltd.

☎ +86 513 8060 6891
 ✉ info@alpha-ess.com
 🌐 www.alpha-ess.com
 📍 Jiuhua Road 888, Nantong High-Tech Industrial Development Zone, Nantong City, 226300

Alpha ESS Suzhou Co., Ltd.

☎ +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

Australia: Alpha ESS Australia Pty. Ltd.

☎ +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

Germany: Alpha ESS Europe GmbH

☎ +49 6103 4591 601
 ✉ europe@alpha-ess.de
 🌐 www.alpha-ess.de
 📍 Paul-Ehrlich-Straße 1a, D-63225 Langen, Hessen

Italy: Alpha ESS Italy S.r.l.

☎ +39 599 239 50
 ✉ info@alpha-ess.it
 🌐 www.alpha-ess.it
 📍 Via Loda, 17-41013 Castelfranco Emilia (MO)

Korea: Alpha ESS Korea Co., Ltd.

☎ +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

USA: Alpha ESS USA, Inc.

✉ USA@alpha-ess.com
 📍 638 S Ahwanee Ter Sunnyvale, California, 94085 United States of America

UK: Alpha ESS UK Ltd.

✉ uk@alpha-ess.com
 📍 Drake House, Long Street, Dursley, gl11 4hh

Singapore: Alpha ESS International Pte. Ltd.

✉ Singapore@alpha-ess.com
 📍 2 Corporation Road #01-06A Corporation Place Singapore 618494