

PRE-DESIGNED SOLUTIONS

The expert team at ARTsolar Projects have put together our state of the art kits that are suitable for both homes and small businesses. These kits are supplied with our locally made and locally supported top of the range ARTsolar panels. Need a bespoke solution put together for you? Contact us and our expert team will take care of the rest.

ARTsolar 10kW

+ 28 x 370W ARTsolar all black panels



Fast response



23.2kWh Battery Storage



UPS ability



24/7 Monitoring



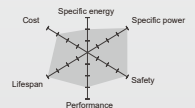
Powers this home for

14
HOURS



Real-time Monitoring

All systems can be monitored by **Web and iOS/Android APP**.



Safest Chemistry

AlphaESS uses Li-phosphate for its excellent safety and long lifespan.

Awards won:



product design award 2018



reddot design award 2018



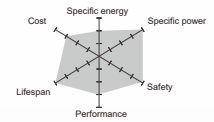
STORION-SMILE-T10

Inverter + Battery Pack Specification Sheet



Real-time Monitoring

All systems can be monitored by **Web and iOS/Android APP.**



Safest Chemistry

AlphaESS uses Li-phosphate for its excellent safety and long lifespan.

System Specification

Model	Storion-SMILE-T10		
Nominal Output Power	10 000 VA		
Max. DC Input Power	13 000W*	12 000W**	
Capacity Range	11.5 kWh ~ 23.0 kWh (90% DoD)		
Battery Chemistry	LFP (LiFePO4)		
IP Protection	IP21 (Indoor) / IP65 (Outdoor)		
Warranty	5 Year Product Warranty, 10 Year Performance Warranty		

Inverter Technical Specification

Model	SMILE-T10-INV		Max. AC Output Current	16.5 A
Max. PV Input Current	12.5 / 12.5 A*	12.5 / 22 A**	Max. AC Input Current	22.7 A
Max. PV Input Voltage	1000 V*	600 V**	Output Power Factor	1 (Adjustable from 0.8 leading to 0.8 lagging)
Max. Short Current	15.2 / 15.2 A*	15.2 / 27.6 A**	Backup	UPS
MPPT Number	2		Display	LCD (in HV50056)
MPPT Voltage Range	200 ~ 850 V*	200 ~ 550 V**	Humidity	15% ~ 85% (No Condensing)
Start-up Voltage	180V		Dimension (WxDxH)	610 x 236 x 605 mm
Max. Charging/Discharging Current	25 A		Weight	40 kg
Phase	Three-Phase		Grid Regulation	CEI 0-21, VDE4105-AR-N, EN50438, G83/2, G100* AS/NZS 4777.2**
Rated Voltage	400 / 380 V		Safety	IEC 62109-1&-2, IEC 62040-1
Rated Frequency	50 / 60 Hz		EMC	EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4, EN61000-4-16, EN61000-4-18, EN61000-4-29

Battery Technical Specification

Module Model	M4856-S
Module Capacity	2.9 kWh
Module Nominal Voltage	51.2 V
Operating Temperature Range	-10 °C ~ 50 °C***
Module Weight	42 kg
Module Dimension (W x D x H)	610 x 236 x 303 mm
Cycle Life	≥ 6000
Max. Charging/Discharging Current	56 A (1C)

High Voltage Control Box Technical Specification

BMU Model	HV50056
DC Voltage Range	179 ~ 465 V
Nominal Output Current	56 A
Battery Modules Connection	4 ~ 8 M4856-S in series

*except Australia and New Zealand

**only for Australia and New Zealand

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