

## 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 5kW

+ 14 x 370W ARTsolar all black panels



**Fast response**



**11.4kWh Battery Storage**



**UPS ability**



**24/7 Monitoring**



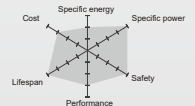
Powers this home for

**8**  
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



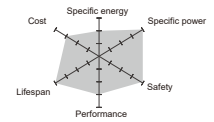
## STORION-SMILE5

### Inverter + Battery Pack Specification Sheet



#### Real-time Monitoring

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#### Safest Chemistry

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#### System Specification

Model	Storion-SMILE5
Nominal Output Power	5000 W / 4600 W (DE)
Capacity Range	2.9 ~ 34.4 kWh (96% DoD)
Usable Capacity Range	2.8 ~ 33.0 kWh
Battery Chemistry	LFP (LiFePO4)
IP Protection	IP21 (Indoor) / IP65 (Outdoor)
Warranty	5 Year Product Warranty, 10 Year Battery Warranty

#### Inverter Technical Specification

Model	SMILE5-INV	Phase	Single-Phase
Max. PV Input Current	2 x 12 A	Backup	UPS
Max. PV Input Voltage	580 V	Display	LCD
MPPT Number	2	Communication	Ethernet
MPPT Voltage Range	125 ~ 550 V	Start Up DC Voltage	125 V
Max. PV Short-circuit Current	2 x 15 A	Humidity	15% ~ 85% (No Condensing)
Max. Charging/Discharging Current	100 A	Dimensions (W x D x H)	610 x 236 x 615 mm
Max. Charging/Discharging Power	5000 W	Weight	60 kg
Rated Voltage	230V	Grid Regulation	VDE-AR-N 4105, VDE 0126-1-1, AS 4777.2/3, CEI 0-21: 2014, G59/3, RD 1699, NRS 097-2-1
Grid Voltage Range	180 ~ 270 V	Safety	IEC 62109-1&-2, IEC 62477-1, IEC 62040.1.1, IEC 62116
Rated Frequency	50/60 Hz	EMC	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4

#### Battery Technical Specification

Module Model	SMILE5-BAT	M4856-P
Module Capacity	5.7 kWh	2.9 kWh
Module Nominal Voltage	51.2 V	
Operating Temperature Range	-10 °C ~ 50 °C*, 0 °C ~ 40 °C (0.5C)	-10 °C ~ 50 °C*, 0 °C ~ 40 °C (1C)
Max. Modules in Parallel	6	
Max. Charging/Discharging Current	56 A (0.5C)	56 A (1C)
Cycle Life	10 000**	

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