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For:
26 The Park, Erlestoke

Quote #: 9695858
Valid until: 24th May 2026



Solar Energy System Proposal

Dear ,

Thank you for the opportunity to present your Solar Energy System Proposal.

Best Regards,
office@ngre.co.uk
NGRE





Next Generation Renewable Energy Ltd, Registered in England and Wales 6830879

VAT registration No: 977 7912 50

MCS registration No: NAP 21292 Consumer code Re: NGR/A/0432

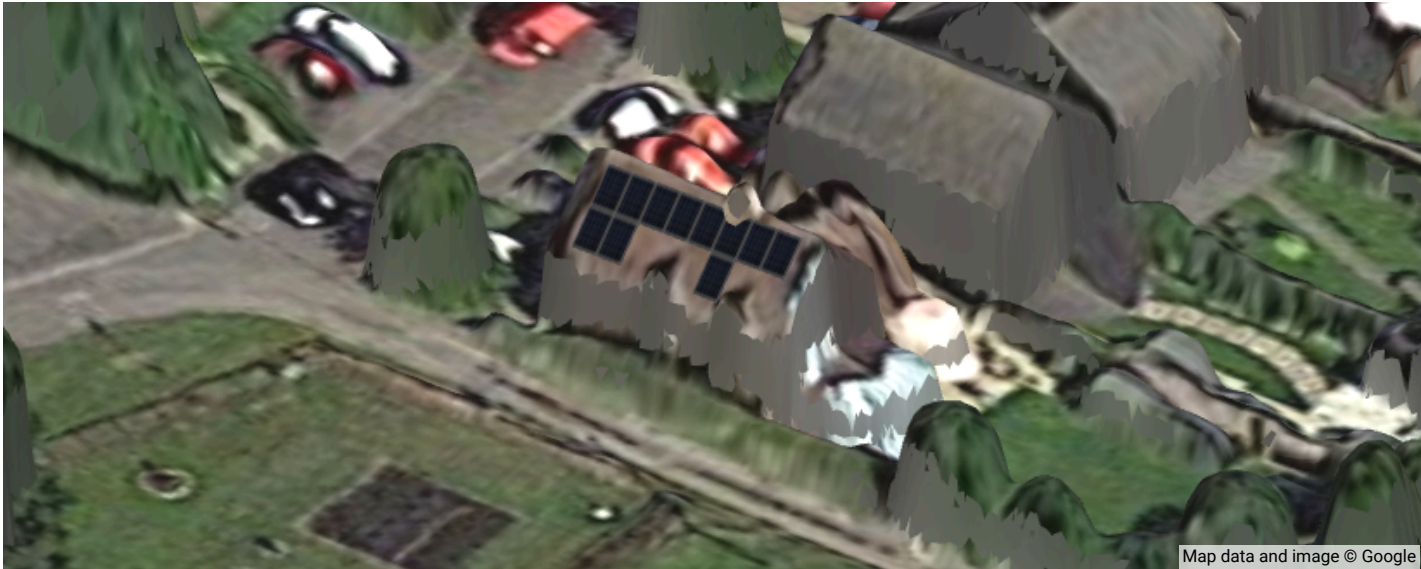
Recommended System Option

5.12 kW
System Size

Estimated Annual
Electricity Bill Savings

Total System Price
excluding VAT

Net System Price



Your Solution

Solar Panels

Aiko Energy

5.1 kW Total Module Power

11 x 465 Watt Panels (AIKO-A465-MAH54Mb/2S)

4,448 kWh per year

Sigen Energy Controller Single Phase

6 kW of Inverter Power

Sigenenergy

1 x SigenStor EC 6.0SP

10 Year Warranty



FoxESS H1 SERIES (G2) Hybrid Inverter

6 kW of Inverter Power

Fox ESS

1 x H1-6.0-E-G2

10 Years Warranty



FoxESS EP6 Plus

5.76kWh of Battery Storage

Fox ESS

1 x EP6 Plus

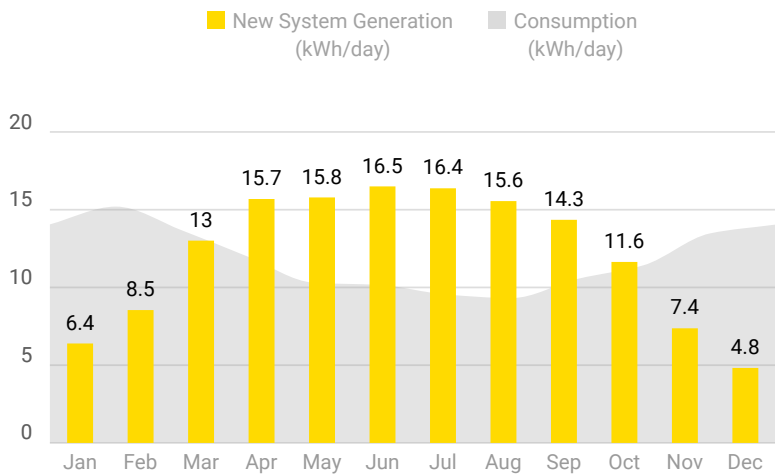
10 Year Warranty



Warranties: 25 Year Panel Product Warranty, 30 Year Panel Performance Warranty, 10 Year Inverter Product Warranty

System Performance

102%
Energy From Solar



System Performance Assumptions: System Total losses: 0%, Inverter losses: 0%, Optimizer losses: 0%, Shading losses: 10.0%, Performance Adjustment: 0%, Output Calculator: MCS. Panel Orientations: 11 panels with Azimuth 186 and Slope 45.

The performance of solar PV systems is impossible to predict with certainty due to the variability in the amount of solar radiation (sunlight) from location to location and from year to year. This estimate is based upon the standard MCS procedure is given as guidance only. It should not be considered as a guarantee of performance. The solar PV self-consumption has been calculated in accordance with the most relevant methodology for your system. There are a number of external factors that can have a significant effect on the amount of energy that will be self-consumed.

Shading will be present on your system that will reduce its output to the factor stated. This factor was NOT calculated using the MCS shading methodology, but we can confirm that the system as quoted, taking into account the shading present, will deliver at least 90% of the energy (in kWh) as set out in this performance estimate.

This system performance calculation has been undertaken using estimated values for array orientation, inclination, or shading. Actual performance may be significantly lower or higher if the characteristics of the installed system vary from the estimated values.

Important Note: The energy performance and benefits of EESS is impossible to predict with certainty due to the numerous functions a system can be programmed to perform. This estimate is based upon the standard MCS procedure and is given as guidance only. It should not be considered as a guarantee of performance.

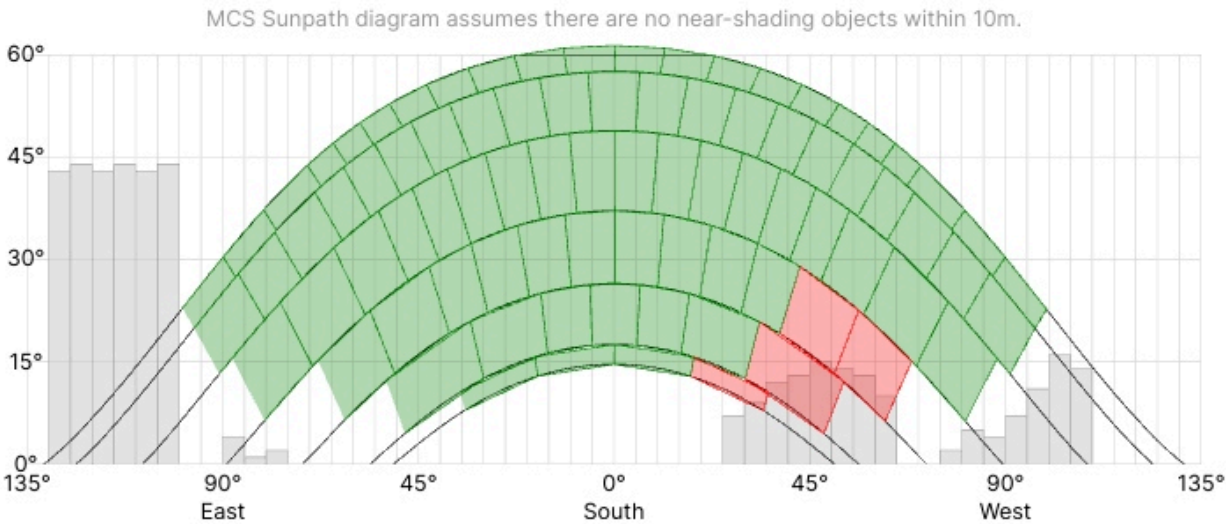
[EESS capacity not used for self consumption] Storage capacity of the battery - assumed usable capacity of battery [Total energy discharged per annum] Assumed usable capacity of battery x 730 [Additional self consumption] Estimated annual output (Section B) x self consumption rate with battery as a % (no higher than 95%) - Expected solar PV self-consumption (with EESS) (Section D)

A. Installation data		
Installed capacity of PV system - kWp (stc)	5.115	kWp
Orientation of the PV system - degrees from South	Group 1: 11 panels with Orientation: 5 °	°
Inclination of system - degrees from horizontal	Group 1: 11 panels with Tilt: 45°	°
Postcode region	5E	
B. Performance calculations		
kWh/kWp (Kk) from table	Group 1: 966	kWh/kWp

Shade Factor (SF)	0.900	
Estimated annual output (kWp x Kk x SF)	4,448	kWh
C. Estimated PV self-consumption - PV Only		
Assumed occupancy archetype	In Half Day	
Assumed annual electricity consumption, kWh	4,364	kWh
Assumed annual electricity generation from solar PV system, kWh	4,448	kWh
Expected solar PV self-consumption (PV Only)	1,067	kWh
Grid electricity independence / Self-sufficiency (PV Only)	24.5	%
D. Estimated PV self-consumption - with EESS		
Assumed usable capacity of electricity energy storage device, which is used for self-consumption, kWh	5.18	kWh
Expected solar PV self-consumption (with EESS)	2,757	kWh
Grid electricity independence / Self-sufficiency (with EESS)	63.0	%
E. Additional benefits from PV and EESS		
EESS capacity not used for self-consumption	0.58	kWh
Total energy discharged per annum	3,784	kWh
Additional self-consumption for EV, heat pumps, diverters (only when present)	0.00	kWh

Sunpath Diagram

Disclaimer: The shade mask mapped onto the sunpath diagram is based off the field of view from a point in the center of the array. This means that the shade mask shown will only capture the shading experienced at the array center point, and will not reflect the shading casted onto other locations on the array.



Environmental Benefits

Solar has no emissions. It just silently generates pure, clean energy.



Each Year

102%

Consumption Offset

1 tons

of CO₂ reduced per year

Over System Lifetime

33,826^{km}

Car distance avoided (lifetime)

217

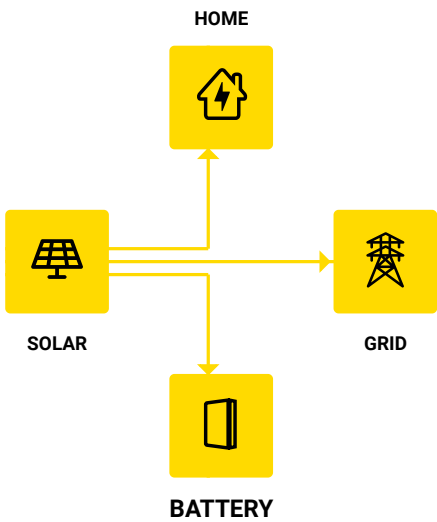
Trees planted

24

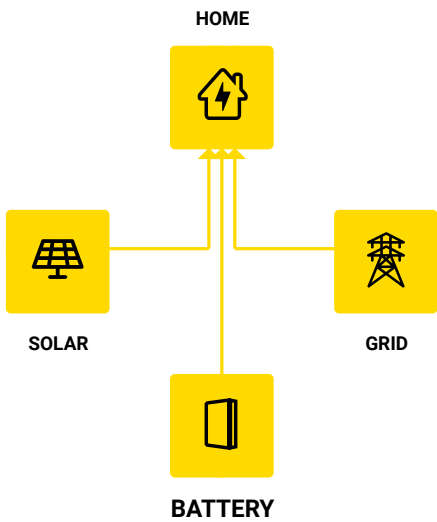
Long haul flights avoided

How your system works

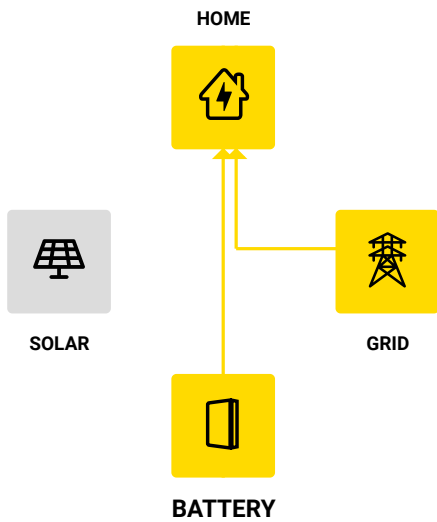
Generating Excess Solar



Partially Offset Usage

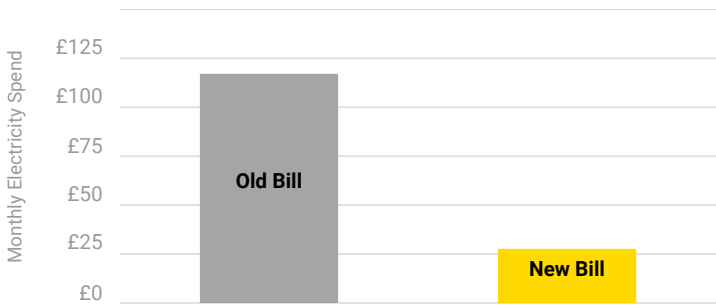


Night

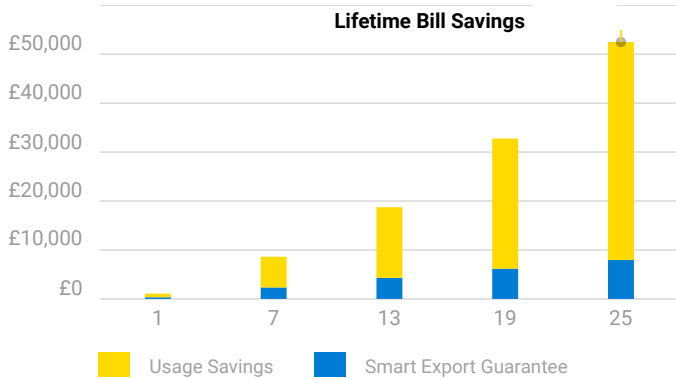


Electricity Bill Savings

First Year Monthly Bill Savings



Cumulative Bill Savings



Month	Solar Generation (kWh)	Net Grid Consumption before new system (kWh)	Electricity Imported after new system (kWh)	Electricity Exported after new system (kWh)	Export Credit (£)	Utility Bill before new system (£)	Utility Bill after new system (£)	Estimated Savings (£)
Jan	198	436	256	21	4	136	85	51
Feb	239	426	212	28	6	133	71	62
Mar	403	423	142	124	25	133	34	99
Apr	471	360	96	209	42	116	5	111
May	489	320	65	238	48	106	-9	115
Jun	495	304	43	236	47	101	-14	116
Jul	508	295	34	249	50	99	-19	118
Aug	482	289	43	239	48	97	-15	113
Sep	430	318	77	195	39	105	3	102
Oct	361	354	99	110	22	115	26	89
Nov	221	404	204	24	5	128	70	57
Dec	149	435	300	16	3	136	97	39

Your projected energy cost is calculated by considering a 7% increase in energy cost each year, due to trends in the raising cost of energy. This estimate is based on your selected preferences, current energy costs and the position and orientation of your roof to calculate the efficiency of the system. Projections are based on estimated usage of 4364 kWh per year, assuming 1 Year Fixed Electricity Tariff.

Your electricity tariff rates may change as a result of installing the system. You should contact your electricity retailer for further information.

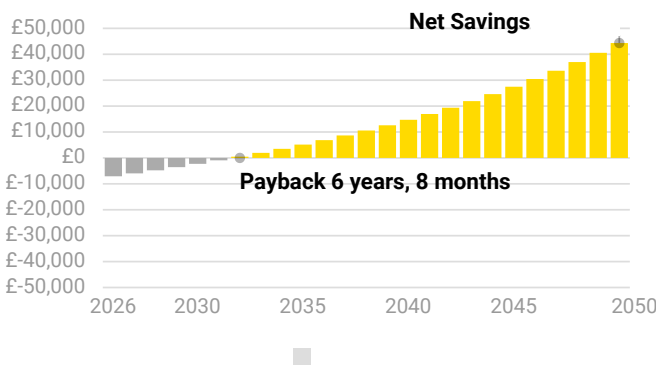
Proposed Tariff Details - OVO Energy (UK) 1 Year Fixed (England)	
Energy Charges	
Usage Charge <i>All Day\Mon-Sun</i>	£0.26 / kWh
Smart Export Guarantee	

Feed-In Credit <i>All Day\Mon-Sun</i>	£0.20 / kWh
Fixed Charges	
Fixed Charge	£21.34 / month

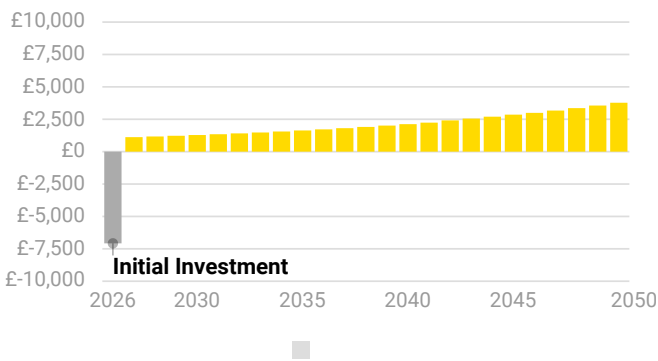
Net Financial Impact Cash

Utility Bill Savings - Net System Cost = Estimated Net Savings

Cumulative Savings From Going Solar



Annual Savings From Going Solar



8 Years 9 Months 544% 17.3%

Net Present Value Discounted Payback Period Total Return on Investment Rate of Return on Investment

Year	Electricity Consumption (kWh)	Solar Generation (kWh)	Utility Bill (before new system) (£)	Utility Bill (after new system) (£)	Annual Savings (from new system) (£)	System Costs (Net of Dealer Incentives) (£)	Customer Incentives (Upfront) (£)	Net Savings (£)	Cumulative Impacts (£)
2026	4,364	4,448	1,405	332	1,073	8,150	0	(7077)	(7077)
2027	4,364	4,432	1,503	383	1,120	0	0	1120	(5957)
2028	4,364	4,416	1,608	438	1,171	0	0	1170	(4786)
2029	4,364	4,401	1,721	496	1,225	0	0	1224	(3561)
2030	4,364	4,385	1,841	559	1,282	0	0	1282	(2279)
2031	4,364	4,370	1,970	626	1,344	0	0	1344	(935)
2032	4,364	4,354	2,108	698	1,410	0	0	1409	474
2033	4,364	4,339	2,256	776	1,480	0	0	1479	1954
2034	4,364	4,323	2,414	859	1,555	0	0	1554	3509
2035	4,364	4,307	2,582	948	1,635	0	0	1634	5144
2036	4,364	4,292	2,763	1,043	1,720	0	0	1719	6864
2037	4,364	4,276	2,957	1,146	1,811	0	0	1810	8674
2038	4,364	4,261	3,164	1,256	1,908	0	0	1907	10582
2039	4,364	4,245	3,385	1,374	2,011	0	0	2011	12594

Year	Electricity Consumption (kWh)	Solar Generation (kWh)	Utility Bill (before new system) (£)	Utility Bill (after new system) (£)	Annual Savings (from new system) (£)	System Costs (Net of Dealer Incentives) (£)	Customer Incentives (Upfront) (£)	Net Savings (£)	Cumulative Impacts (£)
2040	4,364	4,230	3,622	1,500	2,122	0	0	2121	14716
2041	4,364	4,214	3,876	1,636	2,239	0	0	2239	16955
2042	4,364	4,199	4,147	1,734	2,413	0	0	2413	19368
2043	4,364	4,183	4,437	1,886	2,552	0	0	2551	21920
2044	4,364	4,167	4,748	2,049	2,699	0	0	2698	24619
2045	4,364	4,152	5,080	2,224	2,856	0	0	2856	27475
2046	4,364	4,136	5,436	2,442	2,993	0	0	2993	30468
2047	4,364	4,121	5,816	2,645	3,171	0	0	3170	33639
2048	4,364	4,105	6,223	2,864	3,359	0	0	3359	36998
2049	4,364	4,090	6,659	3,099	3,560	0	0	3560	40558
2050	4,364	4,074	7,125	3,351	3,774	0	0	3774	44332

Estimates do not include replacement costs of equipment not covered by a warranty. Components may need replacement after their warranty period. Financial discount rate assumed: 6.75%

Quotation

Payment Option: Cash

11 x Aiko Energy 465 Watt Panels (AIKO-A465-MAH54Mb/2S) 1 x H1-6.0-E-G2, 1 x SigenStor EC 6.0SP (Fox ESS/Sigenergy) 1 x EP6 Plus (Fox ESS)		
Total System Price		xcluding £0.00 VAT
Purchase Price		Including £0.00 VAT
No Deposit		

Price excludes Retailer Smart Meter should you want us to install your Smart Meter it will be an additional cost.
This proposal is valid until 24th May 2026.

Quote Acceptance

I have read & accept the terms and conditions.

Signature

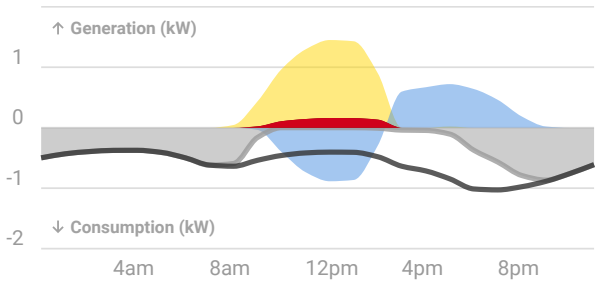
Name

Date

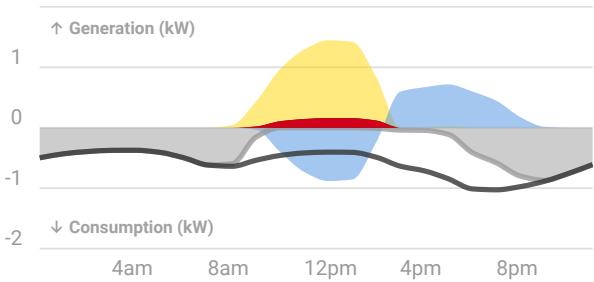
Daily Energy Flows

CONSUMPTION (kWh) GENERATION (kWh) BATTERY (kWh) NET CONSUMPTION (kWh) EXPORT TO GRID (kWh)

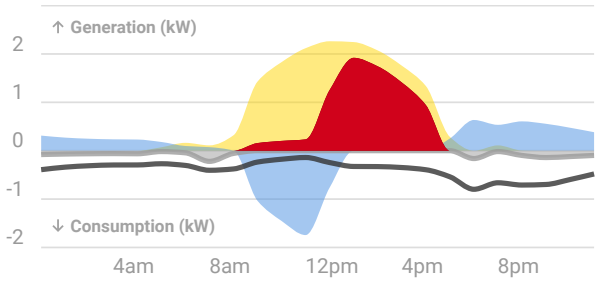
Winter Weekday



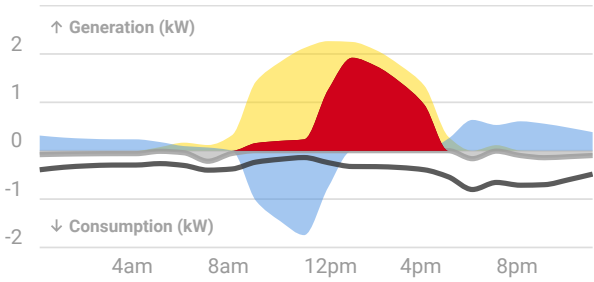
Winter Weekend



Summer Weekday



Summer Weekend



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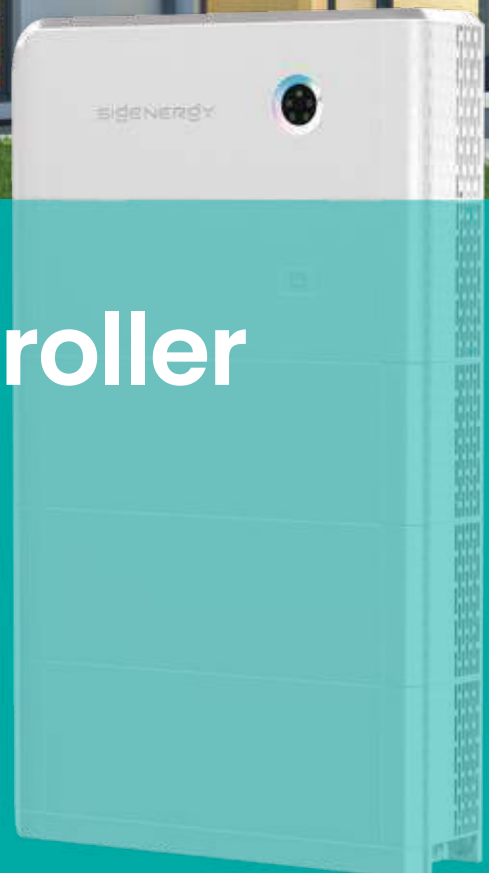
SIGENERGY



Sigen Energy Controller

3.0 – 6.0 kW Single Phase

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



www.sigenenergy.com

Sigen Energy Controller 3.0–6.0 kW Single Phase

SigenStor EC	3.0 SP	3.6 SP	4.0 SP	4.6 SP	5.0 SP	6.0 SP	Units
DC Input (from PV)							
Max. PV power	6000	7360	8000	9200	10000	12000	W
Max. DC input voltage			600				V
Nominal DC input voltage			350				V
Start-up voltage			100				V
MPPT voltage range			50 ~ 550				V
Number of MPP. trackers			2				
Number of PV strings per MPPT			1				
Max. input current per MPPT			16				A
Max. short-circuit current per MPPT			20				A
AC Output (on-grid)							
Nominal output power	3000	3680	4000	4600	5000	6000	W
Max. output apparent power	3300	3680	4400	5000	5500	6600	VA
Nominal output current	13.6	16.0	18.2	20.9	22.7	27.3	A
Max. output current	15.0	16.0	20.0	22.7	25.0	30.0	A
Nominal output voltage			220 / 230 / 240				V
Nominal grid frequency			50 / 60				Hz
Power factor			0.8 leading ~ 0.8 lagging				
Total current harmonic distortion			THDi < 2%				
Efficiency							
Max. efficiency			98.0%				
European efficiency	97.0%	97.1%	97.2%	97.3%	97.4%	97.4%	
AC Output (backup)							
Peak output power (10 seconds)	4500	5520	6000	6900	7500	9000	W
Nominal output voltage			220 / 230 / 240				V
Nominal output frequency			50 / 60				Hz
Power factor			0.8 leading ~ 0.8 lagging				
Total voltage harmonic distortion			THDv < 2%				
Disruption time of backup switch ¹			0				ms
Battery Connection							
Battery module models			SigenStor BAT 5.0 / 8.0				
Number of modules per controller			1 ~ 6				pcs
Battery module voltage range			300 ~ 600				V
Protection							
Safety protection feature	DC reverse polarity protection, Insulation monitoring, Residual current monitoring, Arc fault circuit interrupter ² , AC overcurrent/overvoltage/short-circuit protection. Type II DC/AC surge protection, Anti-islanding protection						

General Data

Dimensions (W / H / D)	700 / 300 / 245	mm
Weight	18	kg
Storage temperature range	-40 ~ 70	°C
Operating temperature range	-30 ~ 60	°C
Relative humidity range	0% ~ 95%	
Max. operating altitude	4000	m
Cooling	Natural convection	
System ingress protection rating	IP66	
Communication	WLAN / Fast Ethernet / RS485 / Sigen CommMod (4G/3G/2G)	

Standard Compliance

Standard ³	IEC/EN 62109-1, IEC/EN 62109-2, IEC/EN 62477, IEC/EN 61000-6-1, IEC/EN 61000-6-2
1.	This refers to the load-side disruption time, to achieve this functionality Sigen Energy Gateway needs to be used together with Sigen Energy Controller and Sigen Battery. Test conditions: In the open-circuit state of the power grid, the nominal power of the Sigen Energy Controller is higher than the total power of the home loads.
2.	This is an optional feature only supported in certain models, please contact Sigenenergy for more information.
3.	For all standards refer to the certificates category in the Sigenenergy website.

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H1(G2)/AC1(G2)

SINGLE-PHASE **HYBRID/AC INVERTER**



HIGH VOLTAGE

Includes high-voltage batteries for maximum round-trip efficiency.



EASY INSTALLATION

Flexible configuration, plug and play set-up, built-in fuse protection.



IP65 RATED

Engineered to last with maximum flexibility. Suitable for outdoor installation.



REMOTE MONITORING

Monitor your system remotely via smartphone app or web portal.



Advanced System Monitoring
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Harness the power of the sun day and night with the ground-breaking range of Hybrid & AC inverter from Fox ESS. Full of advanced features and compatible with our very own range of high-voltage batteries, the hybrid range from Fox ESS.

3kW ...>> 6kW



For more information about the Fox ESS range, visit:
www.fox-ess.com



up to
6kW
charge/
discharge

TECHNICAL SPECIFICATIONS

MODEL	H1-3.0-E-G2 AC1-3.0-E-G2	H1-3.7-E-G2 AC1-3.7-E-G2	H1-4.6-E-G2 AC1-4.6-E-G2	H1-5.0-E-G2 AC1-5.0-E-G2	H1-6.0-E-G2 AC1-6.0-E-G2
INPUT PV (ONLY FOR HYBRID)					
Max. PV Array Power [Wp]	6000	7400	9200	10000	12000
Max. Input Power [W]	4500	5500	6900	7500	9000
Max. Input Voltage [V]			600		
Start-up Input Voltage [V]			75		
Rated Input Voltage [V]			360		
MPPT Operating Voltage Range [V]			80 ~ 550		
Max. Input Current [A]			16 / 16		
Max. Short-circuit Current [A]			20 / 20		
No. of Independent MPP Trackers			2		
No. of Strings per MPP Tracker			1		
BATTERY CONNECTION					
Battery Type	Lithium Battery (LFP)				
Battery Voltage [V]	80 ~ 480				
Max. Charge/Discharge Current [A]	40				
Communication Interface	CAN(communicate with inverter, upgrade BMS)				
AC INPUT AND OUTPUT (GRID)					
Max. AC Input Power [VA]	6000	7680	9200	10000	12000
Max. AC Input Current (per phase) [A]	27.3	34.9	41.8	45.5	54.5
Rated Output Power [W]	3000	3680	4600	5000	6000
Max. Output Apparent Power [VA]	3300	4048/3680 ¹	5060	5500	6600
Rated Output Current (per phase) [A]	13.6	16.7/16 ¹	20.9	22.7	27.3
Rated Output Current (per phase) [A](For AUS)	13.0	16.0	20.0	21.7	26.1
Max. Output Current [A]	15.0	18.4	23.0	25.0	30.0
Rated Grid Voltage [V]	220/230/240				
Rated Grid Frequency [Hz]	50/60				
Power Factor	1 (Adjustable from 0.8 leading to 0.8 lagging)				
THDi [%]	<3 @rated power				
EPS OUTPUT (WITH BATTERY)					
Max. Output Apparent Power [VA]	3000	3680	4600	5000	6000
Rated Output Power [W]	3000	3680	4600	5000	6000
Peak Output Apparent Power (60s) [VA]	3600	4400	5500	6000	7200
Max. Current (per phase) [A]	13.6	16.7	20.9	22.7	27.3
Rated Output Voltage [V]	220/230/240				
Rated Output Frequency [Hz]	50/60				
Power Factor	1 (Adjustable from 0.8 leading to 0.8 lagging)				
THDv (linear Load) [%]	<2 @rated power				
Parallel operation [PCS]	10				
Switch time [ms]	<20				
EFFICIENCY					
Euro Efficiency [%]	95.26	95.70	96.23	96.30	96.33
Max. Efficiency [%]	97.01	97.08	97.04	97.08	97.08
Max. Battery Charge Efficiency (PV to BAT) (@full load) [%]	98.50				
Max. Battery Discharge Efficiency (BAT to AC) (@full load) [%]	97.00				
PROTECTION					
Insulation Monitoring	YES				
Residual Current Monitoring	YES				
DC Reverse Polarity Protection	YES				
Anti-islanding Protection	YES				
AC Short-circuit Protection	YES				
AC Overcurrent/Overvoltage Protection	YES				
DC Switch	YES				
Battery Wake-up Function	YES				
SPD	DC: Type II /AC: Type III				
AFCI	YES				
GENERAL DATA					
Dimensions (W*H*D) [mm]	434*418*185				
Weight [kg]	22				
Installation	Wall-Mounted				
Topology	Non-isolated				
Cooling Method	Natural				
Noise Emission [dB]	35				
Max. Operating Altitude [m]	2000				
Operating Temperature Range [°C]	-25 ~ 60				
Humidity (No Condensation) [%]	0 ~ 100				
Ingress protection	IP65				
Standby consumption[W]	< 15				
Monitoring Module	WiFi, LAN(Optional) , 4G(Optional)				
Communication	RS485, DRM, Ripple Control, USB, CAN				
Display	LCD, App, Website				
STANDARD COMPLIANCE (MORE AVAILABLE UPON REQUEST)					
Safety	EN 62109-1, EN 62109-2				
Grid Regulation	G98, G99, EN50549, AS / NZS 4777.2				

* More technical characteristics are available on demand and customized.
1. 3680 for G98.



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up to
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Max. Input Power [W]	4500	5500	6900	7500	9000
Max. Input Voltage [V]			600		
Start-up Input Voltage [V]			75		
Rated Input Voltage [V]			360		
MPPT Operating Voltage Range [V]			80 ~ 550		
Max. Input Current [A]			16 / 16		
Max. Short-circuit Current [A]			20 / 20		
No. of Independent MPP Trackers			2		
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Battery Voltage [V]	80 ~ 480				
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AC INPUT AND OUTPUT (GRID)					
Max. AC Input Power [VA]	6000	7680	9200	10000	12000
Max. AC Input Current (per phase) [A]	27.3	34.9	41.8	45.5	54.5
Rated Output Power [W]	3000	3680	4600	5000	6000
Max. Output Apparent Power [VA]	3300	4048/3680 ¹	5060	5500	6600
Rated Output Current (per phase) [A]	13.6	16.7/16 ¹	20.9	22.7	27.3
Rated Output Current (per phase) [A](For AUS)	13.0	16.0	20.0	21.7	26.1
Max. Output Current [A]	15.0	18.4	23.0	25.0	30.0
Rated Grid Voltage [V]	220/230/240				
Rated Grid Frequency [Hz]	50/60				
Power Factor	1 (Adjustable from 0.8 leading to 0.8 lagging)				
THDi [%]	<3 @rated power				
EPS OUTPUT (WITH BATTERY)					
Max. Output Apparent Power [VA]	3000	3680	4600	5000	6000
Rated Output Power [W]	3000	3680	4600	5000	6000
Peak Output Apparent Power (60s) [VA]	3600	4400	5500	6000	7200
Max. Current (per phase) [A]	13.6	16.7	20.9	22.7	27.3
Rated Output Voltage [V]	220/230/240				
Rated Output Frequency [Hz]	50/60				
Power Factor	1 (Adjustable from 0.8 leading to 0.8 lagging)				
THDv (linear Load) [%]	<2 @rated power				
Parallel operation [PCS]	10				
Switch time [ms]	<20				
EFFICIENCY					
Euro Efficiency [%]	95.26	95.70	96.23	96.30	96.33
Max. Efficiency [%]	97.01	97.08	97.04	97.08	97.08
Max. Battery Charge Efficiency (PV to BAT) (@full load) [%]	98.50				
Max. Battery Discharge Efficiency (BAT to AC) (@full load) [%]	97.00				
PROTECTION					
Insulation Monitoring	YES				
Residual Current Monitoring	YES				
DC Reverse Polarity Protection	YES				
Anti-islanding Protection	YES				
AC Short-circuit Protection	YES				
AC Overcurrent/Overvoltage Protection	YES				
DC Switch	YES				
Battery Wake-up Function	YES				
SPD	DC: Type II /AC: Type III				
AFCI	YES				
GENERAL DATA					
Dimensions (W*H*D) [mm]	434*418*185				
Weight [kg]	22				
Installation	Wall-Mounted				
Topology	Non-isolated				
Cooling Method	Natural				
Noise Emission [dB]	35				
Max. Operating Altitude [m]	2000				
Operating Temperature Range [°C]	-25 ~ 60				
Humidity (No Condensation) [%]	0 ~ 100				
Ingress protection	IP65				
Standby consumption[W]	< 15				
Monitoring Module	WiFi, LAN(Optional) , 4G(Optional)				
Communication	RS485, DRM, Ripple Control, USB, CAN				
Display	LCD, App, Website				
STANDARD COMPLIANCE (MORE AVAILABLE UPON REQUEST)					
Safety	EN 62109-1, EN 62109-2				
Grid Regulation	G98, G99, EN50549, AS / NZS 4777.2				

* More technical characteristics are available on demand and customized.
1. 3680 for G98.



EP6

HIGH VOLTAGE STORAGE BATTERY



Smart Battery Warming

- Scalable to 23.04kWh
- 90% Depth of Discharge
- Floor or Wall Mounting
- Compact & Easy Installation
- IP65 Protection Level
- High Voltage and High Efficiency



BATTERY
WARMING



SAFETY
RELIABLE



EASY
INSTALLATION



HIGH
EFFICIENCY



EXPANDABLE
SYSTEM



90%
DOD



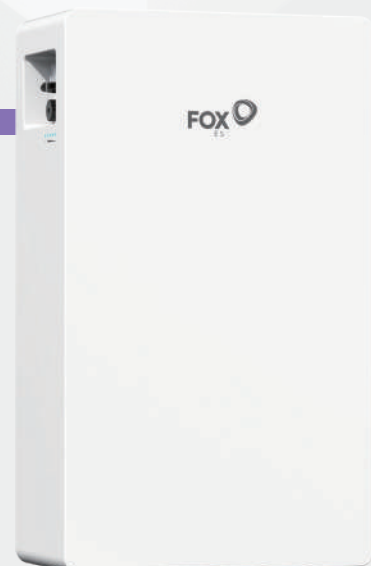
BUILT-IN
FIRE SUPPRESSION

The EP6 is a high-performance, scalable battery storage system, allows for maximum flexibility, making it suitable for a broad range of storage applications.

Additional batteries can be installed in parallel allowing for a maximum storage capacity of 23.04kWh.



For more information about the Fox ESS range, visit:
www.fox-ess.com



TECHNICAL SPECIFICATIONS

SYSTEM NAME	EP6
MODEL	EP6 Plus
ELECTRICAL CHARACTERISTICS	
Compatible PCS	All Series of H1, KH, H3, H3-Pro, US
Battery Type	LFP (LiFePO ₄)
Nominal Energy [kWh]	5.76
Nominal Voltage [V]	192
Operating Voltage [V]	174 ~ 219
Max.Charge/Discharge Current [A]*1	30
Recommend Charge Current [A]	15
Peak Discharge Current [A]	65 @60s
Peak Charge Current [A]	36 @5s
Battery Pack Round-Trip Efficiency [%]	≥95
Depth of Discharge [%]	90
Communication	CAN
Display	LED*5
Scalability	Max. 4 Units in Parallel
OPERATING CONDITIONS	
Installation Location	Outdoor/ Indoor
Operating Temperature [°C]	Charge: -25 ~ 55 Discharge: -25 ~ 55
Storage Temperature [°C]	-10 ~ 40
Cooling Method	Natural Convection
Humidity [%]	5 ~ 95 (No Condensation)
Altitude [m]	Max. 3,000
MECHANICAL CHARACTERISTICS	
Dimensions (W*H*D) [mm]	380*640*185
Weight [kg]	51
CERTIFICATES	
Safety	IEC62619
EMC	EN IEC 61000-6-1/2/3/4
Transportation	UN38.3
Ingress Protection	IP65

*1, The current is affected by temperature, cell voltage and SOC.