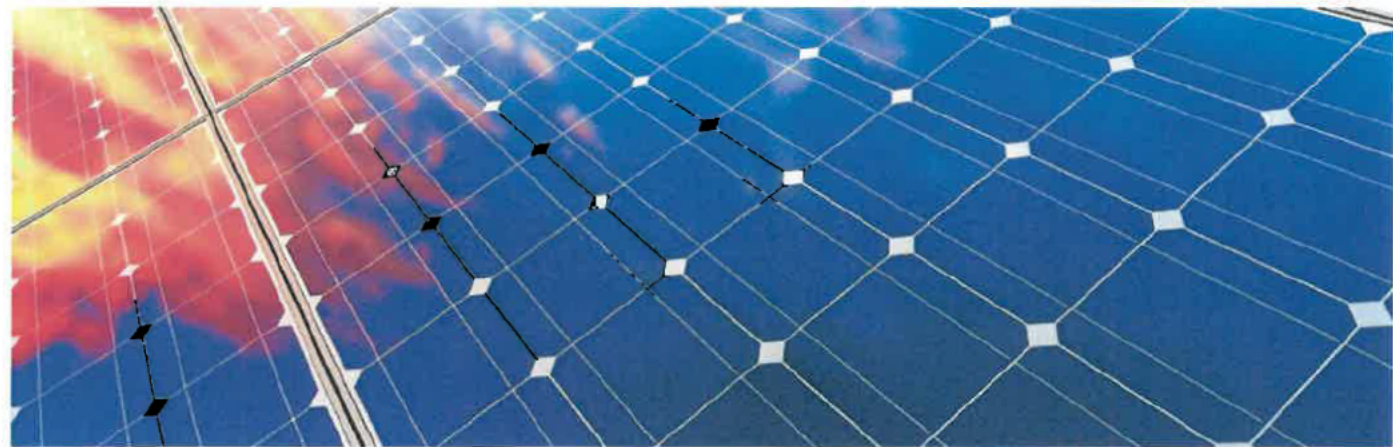


Prepared by: Robert Barron

For:
West Lane, Worston

Valid until: 16th October 2026

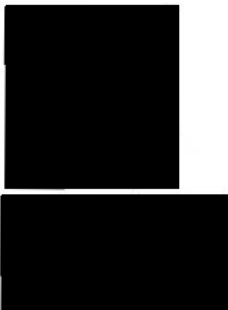


Solar Energy System Proposal

Dear ,

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

Best Regards,
Robert Barron
UPS-SOLAR ROB.B





Recommended System Option

5.76 kw

System Size

Estimated Annual
Energy Bill Savings

Total System Price

Net System Price



Your Solution

Solar Panels

LONGi
5.760 kW Total Module Power
12 x 480 Watt Panels (LR7-54HVB-480M)
4,723 kWh per year

FoxESS ECS Series (ECS2900)

11.52kWh of Battery Storage
Fox ESS
1 x ECS2900-H4
12 Year Warranty

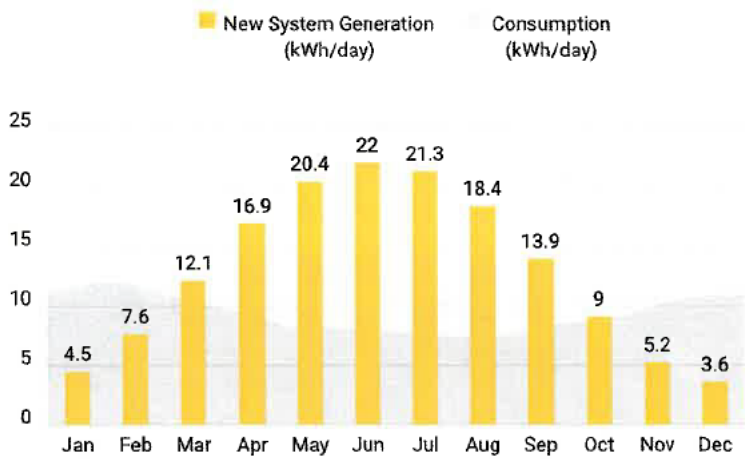
FoxESS H1 SERIES (G2)
Hybrid Inverter
3.68 kW of Inverter Power
Fox ESS
1 x H1-3.7-E-G2
10 Years Warranty



Warranties: 30 Year Panel Product Warranty, 30 Year Panel Performance Warranty

System Performance

137%
Energy From Solar



System Performance Assumptions: System Total losses: 0%, Inverter losses: 0%, Optimizer losses: 0%. Shading losses: 0%, Performance Adjustment: 0%, Output Calculator: MCS. Panel Orientations: 12 panels with Azimuth 149 and Slope 20.

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.

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.

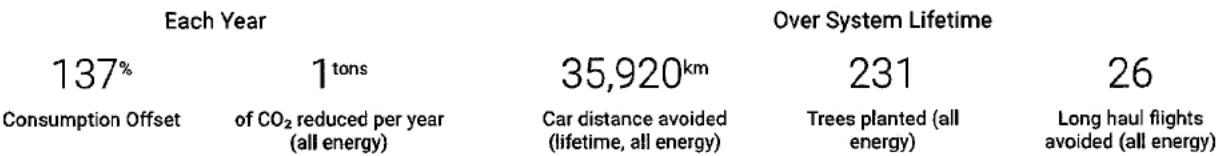
[EESS capacity not used for self consumption] Storage capacity of the battery - assumed usable capacity of battery [Total energy discharged per annum] Assumed usable capacity of battery x 730 [Additional self consumption] Estimated annual output (Section B) x self consumption rate with battery as a %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

A. Installation data		
Installed capacity of PV system - kWp (stc)	5.760	kWp
Orientation of the PV system - degrees from South	Group 1: 12 panels with Orientation: 30 °	°
Inclination of system - degrees from horizontal	Group 1: 12 panels with Tilt: 20°	°
Postcode region	7E	
B. Performance calculations		
kWh/kWp (Kk) from table	Group 1: 820	kWh/kWp
Shade Factor (SF)	1.000	

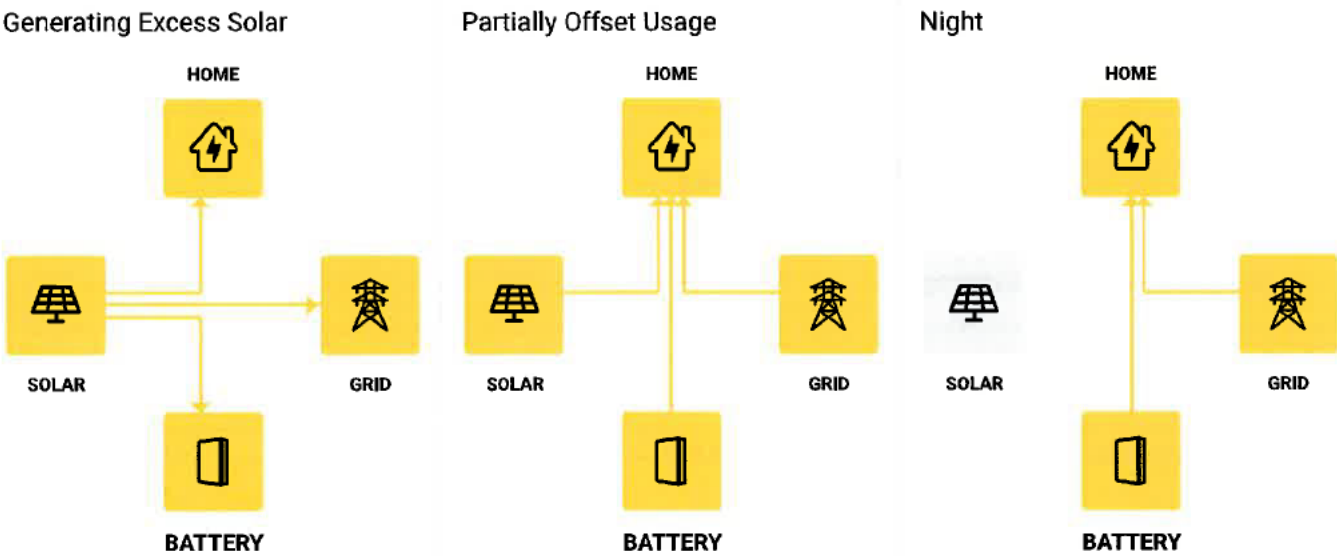
Estimated annual output (kWp x Kk x SF)	4,723	kWh
C. Estimated PV self-consumption - PV Only		
Assumed occupancy archetype	In Half Day	
Assumed annual electricity consumption, kWh	3,450	kWh
Assumed annual electricity generation from solar PV system, kWh	4,723	kWh
Expected solar PV self-consumption (PV Only)	897	kWh
Grid electricity independence / Self-sufficiency (PV Only)	26.0	%
D. Estimated PV self-consumption - with EESS		
Assumed usable capacity of electricity energy storage device, which is used for self-consumption, kWh	10.36	kWh
Expected solar PV self-consumption (with EESS)	2,691	kWh
Grid electricity independence / Self-sufficiency (with EESS)	78.0	%
E. Additional benefits from PV and EESS		
EESS capacity not used for self-consumption	1.15	kWh
Total energy discharged per annum	7,569	kWh
Additional self-consumption for EV, heat pumps, diverters (only when present)	0.88	kWh

Environmental Benefits

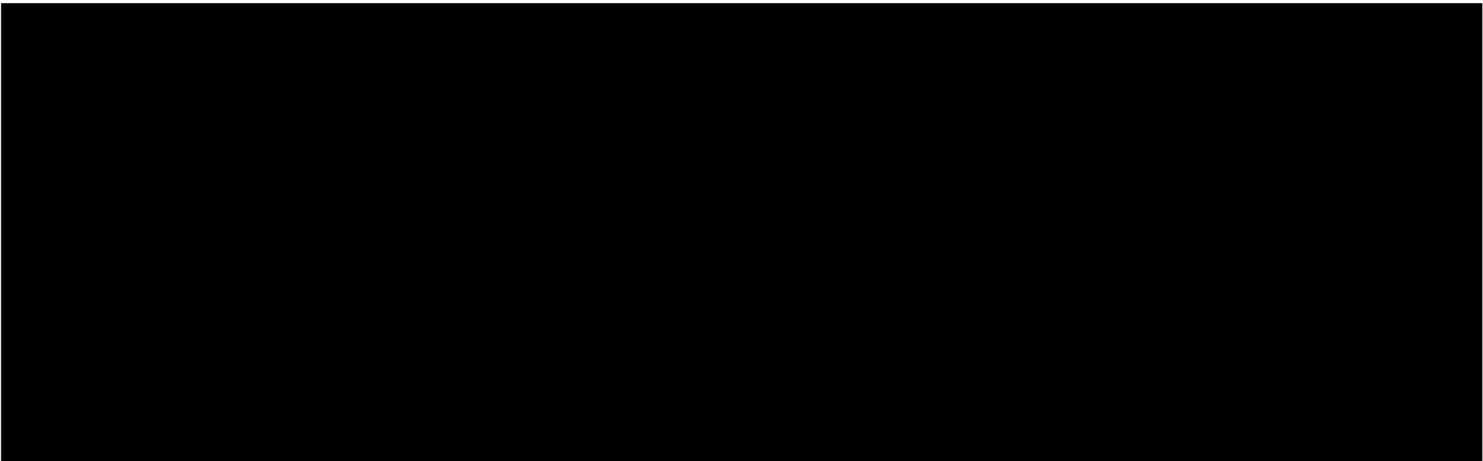
Solar has no emissions. It just silently generates pure, clean energy.



How your system works



Electricity 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 (£)
[Redacted Table Content]								

Rate not specified specified, using Cosy Octopus Fixed N Scotland - Jul 26 based on location.

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 3450 kWh per year, assuming Cosy Octopus Fixed N Scotland - Jul 26 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 - Octopus Energy Cosy Octopus Fixed N Scotland - Jul 26

Energy Charges

Peak Rate	
4pm-7pm Mon-Sun	
Standard Rate	
12am-4am & 7am-1pm & 7pm-10pm Mon-Sun	

Cosy Rate

4am-7am\&\s1pm-4pm\&\s10pm-12am\&\sMon-Sun

Smart Export Guarantee

Outgoing Octopus

All Day\&\sMon-Sun

Fixed Charges

Standing Charge



UPS-SOLAR ROB.B

Proposal for Customer

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 (£)
2023	12,000	0	1,200	1,200	0	0	0	0	0
2024	11,500	5,000	1,150	650	500	0	0	500	500
2025	11,000	10,000	1,100	150	950	0	0	950	1,450
2026	10,500	15,000	1,050	50	950	0	0	950	2,400
2027	10,000	20,000	1,000	0	950	0	0	950	3,350
2028	9,500	25,000	950	0	950	0	0	950	4,300
2029	9,000	30,000	900	0	950	0	0	950	5,250
2030	8,500	35,000	850	0	950	0	0	950	6,200
2031	8,000	40,000	800	0	950	0	0	950	7,150
2032	7,500	45,000	750	0	950	0	0	950	8,100
2033	7,000	50,000	700	0	950	0	0	950	9,050
2034	6,500	55,000	650	0	950	0	0	950	10,000
2035	6,000	60,000	600	0	950	0	0	950	10,950
2036	5,500	65,000	550	0	950	0	0	950	11,900
2037	5,000	70,000	500	0	950	0	0	950	12,850
2038	4,500	75,000	450	0	950	0	0	950	13,800
2039	4,000	80,000	400	0	950	0	0	950	14,750
2040	3,500	85,000	350	0	950	0	0	950	15,700
2041	3,000	90,000	300	0	950	0	0	950	16,650
2042	2,500	95,000	250	0	950	0	0	950	17,600
2043	2,000	100,000	200	0	950	0	0	950	18,550
2044	1,500	105,000	150	0	950	0	0	950	19,500
2045	1,000	110,000	100	0	950	0	0	950	20,450
2046	500	115,000	50	0	950	0	0	950	21,400
2047	0	120,000	0	0	950	0	0	950	22,350
2048	0	125,000	0	0	950	0	0	950	23,300
2049	0	130,000	0	0	950	0	0	950	24,250
2050	0	135,000	0	0	950	0	0	950	25,200

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: [REDACTED]

12 x LONGi 480 Watt Panels (LR7-54HVB-480M) 1 x H1-3.7-E-G2 (Fox ESS) 1 x ECS2900-H4 (Fox ESS)	
Total System Price	[REDACTED]
Purchase Price	[REDACTED]
[REDACTED]	[REDACTED]

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 16th October 2026.

Quote Acceptance

I have read & accept the terms and conditions.

Signature _____
Name _____ Date _____



This proposal has been prepared by UPS-SOLAR ROB.B using tools from OpenSolar. Please visit www.opensolar.com/proposal-disclaimer for additional disclosures from OpenSolar.



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
with **FoxCloud V2.0**

REFINED – POWERFUL – FLEXIBLE

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.

Fox ESS ECS BATTERY STORAGE SYSTEM



HIGH VOLTAGE BATTERY FROM Fox ESS

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

Additional batteries can be installed in series, allowing for a maximum storage capacity of 20.16kWh. Installation is easy, with a plug and play solution that can save valuable time for installers.



- 2.88kWh capacity
- Scalable to 20.16 kWh
- 90% Depth of Discharge
- Large temperature tolerance
- Easy installation
- CAN/RS485 communication
- High voltage



**High
Voltage**



**Simple
Installation**



**High
Efficiency**



**Expandable
System**



**90%
DoD**

Fox ESS

ECS SERIES

ECS2900-H2/H3/H4/H5/H6/H7

Model	ECS2900 -H2	ECS2900 -H3	ECS2900 -H4	ECS2900 -H5	ECS2900 -H6	ECS2900 -H7
ELECTRICAL CHARACTERISTICS						
Battery Type	LiFePO4 Prismatic Cell					
Battery Module	1*CM2900 1*CS2900	1*CM2900 2*CS2900	1*CM2900 3*CS2900	1*CM2900 4*CS2900	1*CM2900 5*CS2900	1*CM2900 6*CS2900
Nominal Capacity [Wh]	5760	8640	11520	14400	17280	20160
Nominal Voltage [V]	115.2	172.8	230.4	288	345.6	403.2
Operating Voltage [V]	97.2 ~ 131.4	145.8 ~ 197.1	194.4 ~ 262.8	243 ~ 328.5	291.6 ~ 394.2	340.2 ~ 459.9
Recommend Discharge Current [A]	25					
Max. Charge/Discharge Current [A]	50					
Peak Discharge Current [A]	65 @60sec					
Battery Pack Round-Trip Efficiency [%]	>95					
Depth of discharge [%]	90					
Cycle Life*1	≥6000					
Communication	CAN, RS485					
Display	CS: LED*1, CM: LED*6					
Scalability	Max. 7 Modules in Series					
OPERATING CONDITIONS						
Installation Location	Outdoor/ Indoor (Stand)					
Operating Temperature [°C]*2	Charge: 0 ~ 55 Discharge: -10 ~ 55					
Storage Temperature [°C]	-20 ~ 55					
Cooling method	Natural Convection					
Humidity [%]	5 ~ 95 (No Condensing)					
Altitude [m]	Max. 2,000					
Mechanical Characteristics						
Dimensions (W*H*D) [mm]	570*350*380	570*470*380	570*590*380	570*710*380	570*830*380	570*950*380
Weight [kg]	68.3	100.3	132.3	164.3	196.3	228.3
Certificates						
Safety	IEC 62619					
EMC	EN IEC 61000-6-1/2/3/4					
Transportation	UN38.3					
Ingress Protection	IP65					

*1, 25°C, @90% DOD, 0.5C charging/discharging.

*2, Charge derating will occur between 0°C and +15°C.



