

Aiko Neostar 2S - All Black

- Winner of 2023 Intersolar innovation award and 2023 Red dot design award
- Product type: AIK-A-MAH54-455-AB-G2
- Rating: 455Wp
- Efficiency: 22.8%
- Dimensions (WxH) - 1134mm x 1757mm x 30 mm
- Product Warranty - 25 years
- Performance Warranty - 30 years
- No.1 efficiency in the market
- Cell-level partial shade optimisation (one and only in the industry)
- High temperature restriction for fire safety
- Micro-crack resistance
- Better temperature coefficient at -0.26 (best in CEA PV Tech lab test report)
- Elegant no-busbar look

x 18



- AIKO-Neostar2S - Datasheet
- AIKO-Neostar2S - Ammonia Certificate
- AIKO-Neostar2S - MCS Certificate
- AIKO-Neostar2S - PID Certificate
- AIKO-Neostar2S - Salt Mist Certificate
- AIKO-Neostar2S - TUV Certificate
- AIKO-Neostar2S - Warranty

Viridian ArcBox & Bracket (string connection fire prevention)

- The Viridian ArcBox prevents potential fires from occurring in the home by enclosing the connection between MC4s. This means, should an arc occur, it is separated from combustible surface in the home increasing the safety of a PV system.
- These are only used on installer string MC4 connections.

x 4



- ArcBox

- ESEDEC Rail and hook system
- Strong and universal rail
- Super fast installation as no need to find the rafter
- Saves 40% of time on the roof
- Universal for almost ALL roofs

x 1



- GSE -in-roof-system - Certificates
- GSE -in-roof-system - Datasheet
- GSE -in-roof-system - MCS Certificate

SOLAR CONTROLLER

Fox HI 6kW Hybrid Inverter G2

- IP65 rated - suitable for outdoor installations
- Remote monitoring via web portal or smartphone
- Easy to expand battery capacity
- Dual MPPT - ensure optimal solar production
- High round-trip efficiency of 97%

x 1



- Fox ESS - HI(G2)&ACI(G2) - Inverter - Cyber Security
- Fox ESS - HI(G2)&ACI(G2) - Inverter - Datasheet
- Fox ESS - HI(G2)&ACI(G2) - Inverter - G99 Certificate
- Fox ESS - HI(G2)&ACI(G2) - Inverter - G100 Certificate
- Fox ESS - HI(G2)&ACI(G2) - Inverter - Warranty

Fox ESS Energy Meter - Grid Import/Export & Battery Control

- Eastron SDM230-Modbus

x 1



- Fox ESS - IPH Energy Meter - Datasheet

ELECTRICAL MATERIALS

Generation meter - GENI-ECA2-BI

x 1



Switchgear, cabling & consumables (images are for illustration only)

x 1



LABOUR

Senior/Lead Electrician - 1 man/Per day

x 1

Roofing - 2 man/per day

x 2.5

SPECIALIST CONTRACTOR

Structural Roof Report

These reports check the suitability of the roof where the panels are to be installed as well as the Static, Wind & Snow Loads.

x 1

SCAFFOLDING, ACCESS, PLANT, HIRE & WELFARE

Scaffolding access for safe solar panel installation*

x 1

*Price is subject to a site specific quotation from our sub contractor

PROJECT DELIVERY

Project Management, Design & Administration

x 8

DELIVERY OF MATERIAL

Material delivery from our suppliers

x 1

Solar Panel details as provided by Construct Energy Services Ltd

rev	description	drawn	auth	date
DO NOT SCALE OFF THIS DRAWING				
<small>acumenarchitects.co.uk 01484 546 000 Headrow House, Old Leeds Road, Huddersfield, Huddersfield HD1 1SG</small>				
Client MRS K TROUT				
Project CROW HILL LODGE, CARRS ROAD, MARSDEN, HD7 6JH				
Project No 2920	Drawing No (100)03	Rev		
Description SOLAR PANEL DETAILS				
Scale @ A1	Date Drawn JUL 24	Drawn By GH	Authorised By JC	
Purpose of Issue Planning <input checked="" type="checkbox"/> Building Regs <input type="checkbox"/> Tender <input type="checkbox"/> Construction <input type="checkbox"/> Comment <input type="checkbox"/> Info <input type="checkbox"/>				