

BauderSOLAR

Electrical contractor budget price list



Welcome

Intended use

This pricing schedule is intended to provide a schedule of rates to our roofing contractor partners for the electrical only works required for the tendering of BauderSOLAR PV schemes.

These rates are for guidance only. An electrical survey and/or design should be carried out for each scheme before an order is placed with the relevant contractor.

Please read the following inclusions and exclusions carefully to ensure all aspects of the scheme are included within your quotations.

Should you have any technical queries please contact the relevant electrical contractor or BauderSOLAR technical representative:

South – Steve Daley

M: +44 (0)7469 580707

E: s.daley@bauder.co.uk

North – Matt Raybould

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E: m.raybould@bauder.co.uk

Pricing Schedule

BauderSOLAR PV Electrical Work & Module installation Price List (EXC VAT)

	0-50 miles	51-80 miles	81-100 miles	100-30 miles	130-160 miles
0-3.68KW	£3,099.78	£3,407.22	£3,737.34	£4,279.14	£4,524.84
3.68-11KW	£3,831.30	£4,138.74	£4,471.38	£5,010.66	£5,256.36
11-17KW	£6,357.42	£7,075.62	£7,458.66	£8,406.18	£8,791.74
17-25KW	£8,660.28	£9,359.58	£9,735.06	£10,658.64	£11,034.12
25-35KW	£10,146.12	£10,846.68	£11,222.16	£12,145.74	£12,519.96
35-50KW	£11,853.66	£12,554.22	£12,929.70	£13,853.28	£14,228.76
50KW +	POA*	POA*	POA*	POA*	POA*

These rates are for guidance only. An electrical survey and/or design should be carried out for each scheme before an order is placed with the relevant contractor.

Mileage should be measured from listed addresses of contractors in section 10 of this document.

The above Prices are based on STRICT conditions set out below – any further works above and beyond WILL be subject to additional costs

This pricing schedule is intended to provide a schedule of rates to our roofing contractor partners for the electrical only works required for the tendering of BauderSOLAR PV schemes.

BauderSOLAR G LIGHT Electrical Work & Module installation Price List (EXC VAT)

	0-50 miles	51-80 miles	81-100 miles	100-30 miles	130-160 miles
0-3.68KW	£3,361.86	£3,715.92	£4,098.96	£4,718.88	£5,001.12
3.68-11KW	£4,134.96	£4,487.76	£4,869.54	£5,490.72	£5,771.70
11-17KW	£6,858.90	£7,682.94	£8,262.54	£9,213.84	£9,656.10
17-25KW	£9,425.10	£10,232.76	£10,663.68	£11,725.86	£12,158.04
25-35KW	£11,033.16	£11,840.82	£12,270.48	£13,333.92	£13,764.84
35-50KW	£12,833.94	£13,637.82	£14,070.00	£15,132.18	£15,564.36
50KW +	POA*	POA*	POA*	POA*	POA*

These rates are for guidance only. An electrical survey and/or design should be carried out for each scheme before an order is placed with the relevant contractor.

Mileage should be measured from listed addresses of contractors in section 10 of this document.

The above Prices are based on STRICT conditions set out below – any further works above and beyond WILL be subject to additional costs

This pricing schedule is intended to provide a schedule of rates to our roofing contractor partners for the electrical only works required for the tendering of BauderSOLAR PV schemes.

Description of works

Bauder Solar PV Electrical Installation Works, Inclusive of:

- To carry out a full electrical design of the Solar PV system and notify the Distribution Network Operator (DNO) of the intention to install on their network. Providing this is acceptable to the DNO, carry out the installation, complete the ENA notification document and return to the DNO.
- To carry out the DC inverter string design for the Solar PV system.
- To test all solar panels that have been installed and inter-connect DC cabling to form the appropriate sized strings.
- To supply and install suitable string inverters
- To crimp MC4 ends to the DC cabling and allow to wire back to the inverter location. The inverter is assumed to be installed within 15m of the array.
- DC cables to be installed on raised cable tray (10m allowance) and/or within Kopex or High Impact Plastic Conduit for green roof applications.
- To supply and fit all DC isolators as required to suit the string design of the inverter and make final connections.
- To fit and secure the modules to the Bauder SOLAR F XL or G LIGHT mounting system
- To make final connections from the AC isolator to the inverter
- To supply and install the generation meter
- To test and commission the Solar PV system and provide MCS certification upon completion of the project

Inclusions

Within our quotation we have allowed for the following items:

- Supply and Installation of string inverter (Solis or equivalent). As per above qualifications
- DC cabling from the strings of the array to the inverter location - maximum total cable length allowed of 500m per 50kW.
- MC4 male & female DC connectors.
- DC lockable rotary isolators.
- Generation meter (MID Approved).
- Cable tray with Big Foot supports (10m allowance) – Flat roofs
- Kopex flexible conduit for DC containment – Green roofs
- High impact plastic conduit for DC containment.

Exclusions

Materials to be Supplied by Bauder/Roofing Contractor

- BauderSOLAR mounting systems incl. all accessories & module clamps as per items listed on the product data sheet:
 - BauderSOLAR F & F XL - <https://www.bauder.co.uk/solar-pv/solar-pv-for-flat-roofs>
 - BauderSOLAR G LIGHT - <https://www.bauder.co.uk/solar-pv/biosolar>
- Solar PV Modules

Labour to be provided by Roofing Contractor

- Installation of BauderSOLAR mounting system
- Bauder Solar Modules to be lifted to roof level prior to arrival

Please note - no allowance has been made for the following items within the above rates:

- Lifting of materials to the roof area prior to the installation process listed above.
- Internet connection or internet network installation to connect the inverter to the monitoring system.
- Structural Engineers Report.
- (EPC) Energy Performance Certificate.
- Planning application drawings or assistance.
- Roofing works other than fitting the modules on the BauderSOLAR mounting system.
- Installation of the BauderSOLAR Base Plates, weld sleeves or BauderSOLAR mounting system
- Installation of the BauderSOLAR G LIGHT mounting system or green roof substrate
- Roof penetration for cable entry (if required).
- G99 Relay Panel and/or Witness Testing from the DNO.
- Safe access - Scaffold/Edge Protection/Safety netting under skylights or lift access equipment, we assume free use of scaffold during roofing works.
- G100 Export Limiting and/or Witness Testing (if required by the DNO due to National Grid generation export limits).
- Site temporary power or lighting other than task lighting.
- Builders works such as wall chasing, plastering, making good, trenching and forming holes larger than 25mm.
- Site welfare facilities, water and electricity for the duration of the contract
- Multiple site visits
- Fire Barriers/Pads/Sealant
- Lightning protection & Surge protection
- Payment of any charges levied by DNO with respect to connection – if required (please see section 4 below)
- Smart Export Guarantee (SEG) application
- Retention or MCD (Main Contractors Discount)

Inverter specification

Please note – all inverters supplied will be supplied with software to allow remote monitoring of the solar array. For this to be commissioned a hard wired internet connection or wifi signal will be required to the inverter location

STRING INVERTERS

The above pricing is based on one individual inverter. If multiple inverters are required additional costs will be incurred, please discuss with the relevant contractor if more than one inverter has been specified or is likely to be required.

BauderSOLAR systems are specified with Solis inverters as standard. If a client requests a specific manufacturer such as SMA or Fronius there may be additional costs incurred.

SOLAR EDGE

Solar Edge systems can provide numerous benefits from both a fire performance and shade management perspective and so may be specified.

SolarEdge systems will require additional materials as well as an increased installation time. Solar Edge systems should always be priced on a project specific basis. Please contact the relevant contractor should you require a price based on Solar Edge inverters.

Before pricing a Solar Edge system, please gather the following information

- Does the client want to read incoming and outgoing usage on SolarEdge App
- Internet connection points for it to go live on portal & remote updates of inverter software etc
- Firefighter Gateways – is the system to be fitted to an emergency stop or fire alarm system?

Electrical works

Electrical Contractor on site is to provide an AC supply adjacent to the inverter location which is suitably sized for the proposed Solar PV system.

If further electrical works are required such as electrical upgrades or connections from the AC isolator to distribution boards a full site survey is required to confirm costs – these can vary due to the age or condition of existing distribution boards.

District network operator (DNO) applications

Any solar PV install over 3.68kw per phase or any solar and battery system, requires a DNO application. DNO applications are included within the above rates. Please note that there is no inclusion for any associated costs/works that may be required upon receipt of DNO response

- 0–11.04kW - 1 No. G98 certified inverter installed under G98 regulations.
- 11.04–50kW - 1 No. G99 certified inverter installed under G99 regulations, inclusive of AC electrical system design, DC inverter string design and Solar PV Application to the DNO to confirm the system can be connected to the Electrical Power System Network (grid).

Please note this is subject to the following information being provided at the time of the order:

- The full postal address of the site.
- A signed letter of authorisation from the owner of the system (this allows the relevant contractor to act on the clients behalf when notifying the DNO. A template letter can be provided upon request, this will require returning on the property owners letter headed paper).
- The MPAN (Meter Point Administration Number) and/or the DNO (Distribution Network Operator) quotation reference number (applicable for new connections).

If the relevant information is not provided it will be assumed that the Consultant/Main Contractor/Client has submitted the G99 application to the DNO (Distribution Network Operator). The relevant contractor will not be held liable for additional costs being incurred if the DNO “No Works Letter”/“Witness Test Requirement Letter” is not in place. G100 Export Limiting may be requested by the DNO after the G99 application which will incur additional costs.

Safe working, material handling, and access

The above costs DO NOT Include the following:

Scaffolding
Safe access
Material Handling / Cranage to the roof
Site Welfare

All roofs should have suitable edge protection to allow safe working. If works are to be carried out using a man safe and harness a separate quote will be required.

All materials will be lifted to roof level and in place prior to arrival on site. No allowance has been made for lifting of materials to roof level.

Partner contractors

East Anglia & South East:

Sunlight Group

IP12 4PT

Contact - Jamie Gooden
e-mail - Jamie@sun-lite.co.uk
Tel - 01473 599 300



ECOHILL

CO6 3NY

Contact – Dean Hill
e-mail – Bauder@ecohill.co.uk
Tel - 01206212825



South West/South Coast/South East:

PV Plus

SO51 7UT

Contact - Michaela Parker
e-mail - info@pv-plus.co.uk
Tel – 02380 170215



North of England:

Greenbridge Renewables

L33 2ED

Contact - Chris Acton
e-mail - sales@gb-r.co.uk
Tel - 0151 345 6739



Scotland:

Versatile Solutions

ML6 8QH

Contact – Jamie Woods
e-mail - -jw@vesol.co.uk
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