Solar PV & Battery Quote



Mr Mark Stanhope
9 Half Moon Ln,

Worthing

BN13 2EN

November 13, 2026
Install Price: £11295
Estimated Return on Investment: £240553.66

MCS CERTIFIED
HIES Accredited Installer
ctsi APPROVED CODE TradingStandards.uk
TRUSTMARK Government Endorsed Quality
NICEIC APPROVED CONTRACTOR

Dear Mr Stanhope,

Thank you for choosing In2gr8ted Solutions to provide you with a quotation for your proposed Solar PV installation.

In2gr8ted Solutions strive to provide our customers with the highest quality products available in the UK at the best price. Choosing the correct products when considering purchasing a Solar PV system is vitally important to protect your investment for the next 40 years. Our experience and knowledge of the solar PV and battery storage industry dates back to 2011 and having installed thousands of PV systems throughout the UK, enables us to select and offer only the best tried and tested products.

Within this quotation you will find:

- Your Investment returns table for the next 20-40 years
- How a Solar PV system works
- Selected Solar Panel datasheet
- Selected Inverter datasheet
- Details on our Accreditations
- Full Breakdown of costs for your system
- Predicted system performance explained
- Guarantee and Insurance details
- Order form
- Cancellation and Waiver Form

I would recommend installing the Sunpower Origin solar panels with Sigenergy 3.6 Hybrid Inverters. We know from experience that this system works very well together.

Kind regards,

Paul Caffrey

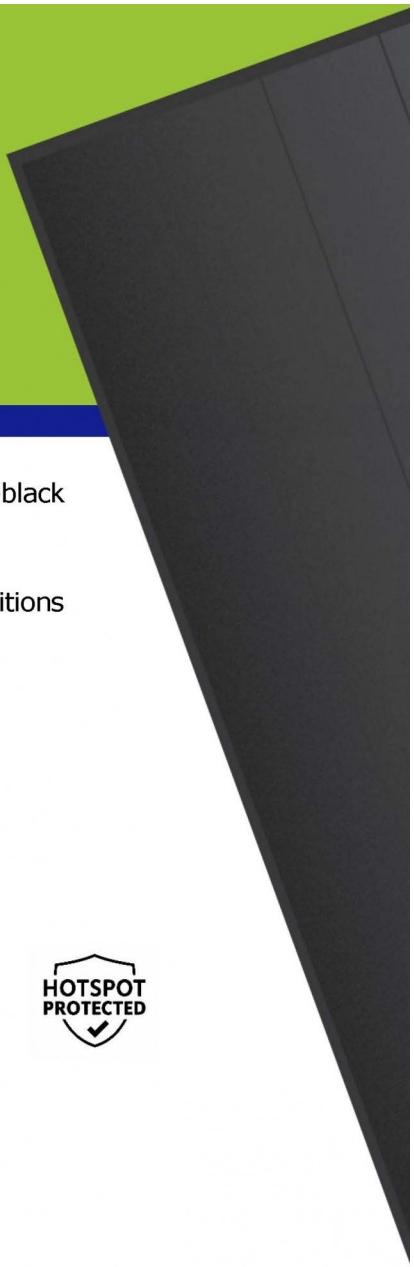
Your consultants name: Mark Woollaston
Phone: 07533411807
Email: markwoollaston@googlemail.com

Please take the time to read the MCS Customer Commitment document before signing. Link: www.in2gr8tedsolutions.co.uk/mcs-customer-commitment.pdf

or follow this QR code:

SunPower
Origin
Home solar panel

Product: SPR-BE54-DD
480–505 W | Up to **24.7 %** efficient



- Ideal for residential applications
- Elegant & durable full-black framed glass-glass
- Unique back-contact shingled cell technology
- Certified to withstand harshest real-life conditions

The original

Leading back contact technology

Built on 40+ years of SunPower patented innovation

Manufactured by a leading global solar provider

The safest

Industry`s lowest degradation rate

Designed to withstand micro-crack, soiling, heat, wind and hail

Warrantied long-lasting performance, for decades

HOTSPOT PROTECTED

The strongest

Maximized output – more energy from limited roof space

Optimized for low light conditions and partial shading

Proven high-quality, durable, and reliable performance

40-years service warranty coverage

40 YEAR WARRANTY
Power | Product | Service

Backed by best-in-class 40-year warranty

Product, power, service coverage	40 Years[6]
Year 1 minimum warranted output	99.0 %
Maximum annual degradation	0.25 %

SUNPOWER

BloombergNEF TIER 1 PV Modules

SOLAR STEWARDSHIP INITIATIVE

Learn more about SunPower panels
www.sunpowerglobal.com

Origin Solar Panel | SPR-BE54-DD | Power: 480–505 W | Efficiency: up to 24.7 %

Electrical Data, Front STC Charactsristics[1]						
	SPR-BE54-DD480	SPR-BE54-DD485	SPR-BE54-DD490	SPR-BE54-DD495	SPR-BE54-DD500	SPR-BE54-DD505
Nominal Power (Pmax)[2]	480 W	485 W	490 W	495 W	500 W	505 W
Power Binning	+3/0 %	+3/0 %	+3/0 %	+3/0 %	+3/0 %	+3/0 %
Panel Efficiency	23.85 %	23.8 %	24.0 %	24.3 %	24.5 %	24.7 %
Rated Voltage (Vmpp)	33.52 V	33.64 V	33.75 V	33.86 V	33.97 V	34.08 V
Rated Current (Impp)	14.32 A	14.42 A	14.52 A	14.62 A	14.72 A	14.82 A
Open-Circuit Voltage (Voc)[2]	40.33 V	40.45 V	40.56 V	40.66 V	40.77 V	40.88 V
Short-Circuit Current (Isc)[2]	15.08 A	15.18 A	15.28 A	15.38 A	15.48 A	15.58 A

BNPI Data[3]						
Nominal Power (Pmax)[3]	525 W	530 W	535 W	540 W	545 W	550 W
Open-Circuit Voltage (Voc)[3]	40.33 V	40.45 V	40.56 V	40.66 V	40.77 V	40.88 V
Short-Circuit Current (Isc)[3]	16.51 A	16.61 A	16.72 A	16.83 A	16.94 A	17.05 A

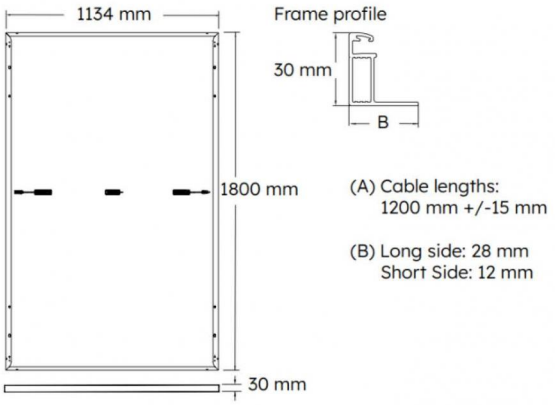
Bifcial Gain[4]						
Pmax with 5 % Bifacial Gain	497 W	502 W	507 W	512 W	518 W	523 W
Isc with 5 % Bifacial Gain	15.16 A	15.71 A	15.81 A	15.92 A	16.02 A	16.13 A
Pmax with 10 % Bifacial Gain	510 W	519 W	524 W	530 W	535 W	540 W
Isc with 10 % Bifacial Gain	16.14 A	16.24 A	16.35 A	16.46 A	16.56 A	16.67 A

Electrical Data	
Maximum System Voltage	1500 V IEC
Maximum Series Fuse	30 A
Bifaciliality	70 ±5 %
Nominal Module Operating Temp.	42 °C ±2 °C
Operation Temperature	–40 °C to +70 °C (IEC TS 63126)
Power Temp. Coefficient	–0.26 %/°C
Voltage Temp. Coefficient	–0.22 %/°C
Current Temp. Coefficient	0.05 %/°C

Packaging Configuration	
Number of modules per pallet	36
Number of pallets per 40ft HQ container	26
Number of modules per container	936

Tests and Certifications	
Standard Tests	IEC 61215, IEC 61730
Fire Rating	Class C (IEC 61730-2 / UL 790)
Protection Class	Class II (IEC 61140)
Quality Certs	ISO 9001:2015, ISO 14001:2015
EHS Compliance	ISO 45001:2018, ISO 50001:2018, Recycling Scheme
Ammonia Test	IEC 62716
Dust and Sand	IEC 60068-2-68
Salt Mist	IEC 61701 (TM 6)

Mechanical Data	
Solar Cells	N-Type Back Contact
Glass	2+2 mm semi tempered Glass Anti Reflective coating on front glass Black tint on back glass
Junction Box	IP-68, 3 bypass diodes
Connector	Stäubli MC4-EVO2A
Weight	26.0 kg
Max.Load[5] Front & Back	Wind: 2400 Pa, 245 kg/m² Front & Back Snow: 5400 Pa, 550 kg/m² Front
Impact Resistance	40 mm diameter hail at 27.5 m/s
Frame	Black anodized aluminum alloy



Please read the safety and installation instructions
Visit www.sunpowerglobal.com/PVInstallGuide
Paper version can be requested through
techsuport.EN@sunpowerglobal.com

1 Standard Test Conditions (1000 W/m² irradiance, AM 1.5, 25 °C). NPEL calibration Standard: SOMS current, LACCS II and Voltage.
2 Measurements tolerance ±3 %.
3 BNPI Test Condition (front 1000 W/m², rear 135W/m2 irradiance, AM 1.5, 25° C).
4 The additional gain from the back side or the panel compared to the power or the front side or the panel at the standard test conditions. It depends on mounting (structure, height, tilt angle etc.) and albedo or the underlying surface.
5 Test load as per IEC 61215-2 is equal to design load with safety factor = 1.5. See "Safety and Installation Instructions" for details.
6 SunPower solar panels are backed by a 40-year warranty. Subject to terms and conditions. Not available in all countries. 40-year warranty requires registration, otherwise our 30-year warranty applies.

Publication: October 2026
Version: A

Specifications included in this datasheet are subject to changs without notice.
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SUNPOWER


SIGENERGY
Sigen
Energy Controller
3.0 - 12.0 kW | Single Phase
5.0 - 30.0 kW | Three Phase
5.0 - 12.0 kW | Three Phase Low Voltage
SIGENERGY
• EMS-integrated intelligent management for precision control
• Max. 2.0 DC/AC ratio compatibility, higher energy utilization (Single Phase)
• Unbalanced 3-phase power output, ensuring efficient operation
• 150% peak output power in off-grid mode, instant high-power boost
• Up to 4 MPP trackers for maximum solar energy extraction