

LIMITED AND LINEAR WARRANTY FOR PV MODULES



PRODUCT & PERFORMANCE WARRANTY

Thank you for purchasing a GB PV module ('module') manufactured by Green Brilliance Renewable Energy LLP.

1. WARRANTED PRODUCTS

This Limited and Linear Warranty for PV modules shall only apply to the following modules supplied by Green Brilliance Solar as mention in the table below.

Sl. No.	Model Type	Series
1	GBPLC-36-003-12, 03P	Lyrus
2	GBPLC-36-005-12, 05P	Lyrus
3	GBPLC-36-008-12, 08P	Lyrus
4	GBPLC-36-010-12, 10P	Lyrus
5	GBPLC-36-015-12, 15P	Lyrus
6	GBPLC-36-020-12, 20P	Lyrus
7	GBPLC-36-025-12, 25P	Lyrus
8	GBPLC-36-030-12, 30P	Lyrus
9	GBPLC-36-037-12, 37P	Lyrus
10	GBPLC-36-040-12, 40P	Lyrus
11	GBPLC-36-050-12, 50P	Lyrus
12	GBPLC-36-060-12, 60P	Lyrus
13	GBPLC-36-070-12, 70P	Lyrus
14	GBPLC-36-075-12, 75P	Lyrus
15	GBPLC-36-080-12, 80P	Lyrus
16	GBPLC-36-090-12, 90P	Lyrus
17	GBPLC-36-095-12, 95P	Lyrus
18	GBPLC-36-100-12, 100P	Lyrus
19	GBPLC-36-115-12, 115P	Lyrus
20	GBPLC-36-120-12, 120P	Lyrus
21	GBPLC-36-125-12, 125P	Lyrus
22	GBPLC-36-130-12, 130P	Lyrus
23	GBPLC-36-135-12, 135P	Lyrus
24	GBPLF-36-150-12, 150P	Elio
25	GBPLF-36-155-12, 155P	Elio
26	GBPLF-36-160-12, 160P	Elio
27	GBPLF-36-165-12, 165P	Elio
28	GBPLF-36-170-12, 170P	Elio
29	GBPLF-36-175-12, 175P	Elio
30	GBPLF-60-250-24, 250P	Elio
31	GBPLF-60-255-24, 255P	Elio
32	GBPLF-60-260-24, 260P	Elio
33	GBPLF-60-265-24, 265P	Elio
34	GBPLF-60-270-24, 270P	Elio
35	GBPLF-60-280-24, 280P	Elio
36	GBPLF-60-290-24, 290P	Elio
37	GBPLF-72-300-24, 300P	Elio
38	GBPLF-72-305-24, 305P	Elio
39	GBPLF-72-310-24, 310P	Elio
40	GBPLF-72-315-24, 315P	Elio
41	GBPLF-72-320-24, 320P	Elio
42	GBPLF-72-325-24, 325P	Elio
43	GBPLF-72-330-24, 330P	Elio
44	GBPLF-72-335-24, 335P	Elio
45	GBPLF-72-340-24, 340P	Elio
46	GBPLF-72-345-24, 345P	Elio
47	GBPLF-72-350-24, 350P	Elio
48	GBPLF-72-355-24, 355P	Elio
49	GBMOC-36-040-12, 40P	Lyrus
50	GBMOC-36-050-12, 50P	Lyrus
51	GBMOC-36-060-12, 60P	Lyrus
52	GBMOC-36-070-12, 70P	Lyrus
53	GBMOC-36-075-12, 75P	Lyrus
54	GBMOC-36-080-12, 80P	Lyrus
55	GBMOC-36-090-12, 90P	Lyrus
56	GBMOC-36-095-12, 95P	Lyrus

57	GBMOC-36-100-12, 100P	Lyrus
58	GBMOC-36-115-12, 115P	Lyrus
59	GBMOC-36-120-12, 120P	Lyrus
60	GBMOC-36-125-12, 125P	Lyrus
61	GBMOC-36-130-12, 130P	Lyrus
62	GBMOC-36-135-12, 135P	Lyrus
63	GBMOF-36-150-12, 150P	Oriano
64	GBMOF-36-155-12, 155P	Oriano
65	GBMOF-36-160-12, 160P	Oriano
66	GBMOF-36-165-12, 165P	Oriano
67	GBMOF-36-170-12, 170P	Oriano
68	GBMOF-36-175-12, 175P	Oriano
69	GBMOF-36-180-12, 180P	Oriano
70	GBMOF-36-185-12, 185P	Oriano
71	GBMOF-36-190-12, 190P	Oriano
72	GBMOF-36-195-12, 195P	Oriano
73	GBMOF-36-200-12, 200P	Oriano
74	GBMOF-60-250-24, 250P	Oriano
75	GBMOF-60-255-24, 255P	Oriano
76	GBMOF-60-260-24, 260P	Oriano
77	GBMOF-60-265-24, 265P	Oriano
78	GBMOF-60-270-24, 270P	Oriano
79	GBMOF-60-280-24, 280P	Oriano
80	GBMOF-60-285-24, 285P	Oriano
81	GBMOF-60-290-24, 290P	Oriano
82	GBMOF-60-295-24, 295P	Oriano
83	GBMOF-60-300-24, 300P	Oriano
84	GBMOF-60-305-24, 305P	Oriano
85	GBMOF-60-310-24, 310P	Oriano
86	GBMOF-72-315-24, 315P	Oriano
87	GBMOF-72-320-24, 320P	Oriano
88	GBMOF-72-325-24, 325P	Oriano
89	GBMOF-72-330-24, 330P	Oriano
90	GBMOF-72-335-24, 335P	Oriano
91	GBMOF-72-340-24, 340P	Oriano
92	GBMOF-72-345-24, 345P	Oriano
93	GBMOF-72-350-24, 350P	Oriano
94	GBMOF-72-355-24, 355P	Oriano
95	GBMOF-72-360-24, 360P	Oriano
96	GBMOF-72-365-24, 365P	Oriano
97	GBMOF-72-370-24, 370P	Oriano
98	GBMOF-72-375-24, 375P	Oriano
99	GBMOF-72-380-24, 380P	Oriano
95	GBMOF-72-385-24, 385P	Oriano
96	BIPV-36-150-12, 150P	Phoebus
97	BIPV-60-200-24, 200P	Phoebus
98	BIPV-72-365-24, 365P	Phoebus
99	BIPV-72-400-24, 400P	Phoebus
100	GBDGU-36-150-12, 150P	Phoebus
101	GBDGU-60-200-24, 200P	Phoebus
102	GBDGU-60-260-24, 260P	Phoebus
103	GBDGU-72-365-24, 365P	Phoebus
104	GBDGU-72-390-24, 390P	Phoebus
105	GBDGU-72-400-24, 400P	Phoebus
106	BIF-60-390-24, 390P	Phoebus
107	BIF-72-460-24, 460P	Phoebus
108	BIF-72-490-24, 490P	Phoebus

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2. LIMITED PRODUCT WARRANTY – REPAIR, REPLACEMENT OR REFUND

Green Brilliance Solar warrants the customer that each module will be free from defects in materials and workmanship under normal application, installation, usage and service conditions for a period of

- A 5 year product warranty for Lyrus series modules
- A 12 year product warranty for Elio, Oriano & Phoebus series module. Starting from the warranty start date (as defined in section 13 “Validity”). If any module fails to confirm to the warranty in this section 2, Green Brilliance solar will at its sole discretion, either

A) Repair or replace the module or B) Refund the depreciated purchase price paid by the customer for the module as compensation. Or (c) refund the difference between the actual power output of the PV module and the WPPV.

Any deterioration in appearance of the product (including any scratches, stains, mechanical wear, rust, spots and aesthetic defects), or any other changes to the product which occur after delivery to the customer, do not constitute defects under this Limited Warranty. This type of change does not lead to deterioration in the operational capabilities of the module. Claims in the event of glass breakage shall only be enforceable to the extent that there was no external cause for the breakage. (i.e. only breakage caused by the glass itself or the module is covered). The foregoing remedies shall be Green Brilliance Solar’s sole and exclusive obligation, and the customer’s sole and exclusive remedy, for any module’s failure to conform to the Limited Product Warranty in this Section 2, and any repair or replacement shall not extend the warranty period set forth herein. The warranty in this Section 2 does not warrant a specific power output, which shall be exclusively covered in Section 3. of the Limited and Linear Warranty

3. A. LINEAR POWER WARRANTY – 27 YEARS APPLICABLE FOR Elio & Oriano Series.

1. For poly module (Elio series): 97.5% in the first year, thereafter, for years two (2) through twenty-seven (27), 0.67% maximum decrease from module’s nominal power output per year, ending with the 80.08% nominal power in the 27th year tested under STC conditions of 25°C, 1.5 AMG,1000 W/m2 as stated in product datasheet, after the defined warranty starting date. The Linear Performance Warranty table is attached in Section 14 of this Warranty Sheet.
2. For mono module (Oriano Series): 97% in the first year, thereafter, for years two (2) through twenty-seven (27), 0.65% maximum decrease from module’s nominal power output per year, ending with the 80.10% nominal power in the 27th year tested under STC conditions of 25°C,1.5 AMG,1000 W/m2 as stated in product datasheet after the defined warranty starting date. The Linear Performance Warranty table is attached in Section 14 of this Warranty Sheet.

3. B. LINEAR POWER WARRANTY – 30 YEARS APPLICABLE FOR PHOEBUS SERIES

a) For Glass-Glass n-type Bifacial, DGU & BIPV Modules

(Phoebus series):

0.5% maximum decrease from module’s nominal power output per year, ending with the 85% nominal Power in the 30th year tested under STC conditions of 25°C, 1.5 AMG,1000 W/m2 as stated in product datasheet, after the defined warranty starting date.

b) For Glass-Glass p-type Bifacial, DGU & BIPV Mono Module (Phoebus Series): 97% in the first year, thereafter, for years two (2) through thirty (30), 0.5% maximum decrease from module’s nominal power output per year, ending with the 82.5% nominal Power in the 30th year tested under STC conditions of 25°C, 1.5 AMG,1000 W/m2 as stated in product datasheet, after the defined warranty starting date.

c) For Glass-Glass Bifacial, DGU & BIPV poly module (Phoebus series): 97.5% in the first year, thereafter, for years two (2) through thirty (30), 0.5% maximum decrease from module’s nominal power output per year, ending with the 83% nominal Power in the 30th year tested under STC conditions of 25°C, 1.5 AMG,1000 W/m2 as stated in product datasheet, after the defined warranty starting date.

4. LIMITED REMEDY

Green Brilliance Solar further warrants that if, within the period defined in clause 3.A & 3.B above, after the Warranty Starting Date, any PV module exhibits a power output less than the nominal power performance for that PV module as specified by the original product label and the ‘Warranted Power Performance Value’ (‘WPPV’) identified in Section 14, and if such decrease in power below the WPPV is determined to be due to defects in materials or workmanship under normal application, use and service conditions, Green Brilliance Solar will remedy such decrease in power by, at its reasonable option, either (a) repair or replace the defective PV module to the Customer for replacement of modules or parts; (b) provide the Customer with additional PV module(s) to make up for such decrease in power so that the power output equals or exceeds the WPPV, provided, it is possible for the Customer to mount such additional PV module(s) at his cost and expenses; or (c) refund the difference between the actual power output of the PV module and the WPPV, based on the current market price of a comparable PV module at the time of the customer’s claim. For purposes of determining PV module power output, measurements shall be based on, or normalized to, standard test conditions of 1000 W/m2 irradiance, 25°C cell temperature, and 1.5 AMG light spectrum. Measurements shall be made in accordance with IEC 60904, and shall account for measurement system error in accordance with EN 50380. The foregoing remedies shall be Green Brilliance Solar’s sole obligation, and the customer’s remedy, for any module’s failure to conform to the warranty in Section 3, and any repair or replacement shall not extend the warranty period set forth herein.

5. EXCLUSIONS AND LIMITATIONS

In addition to any other exclusions, limitations or conditions set forth in his Limited and Linear Warranty, the following exclusions and limitations apply hereto:

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All warranty claims must be received within the applicable warranty period for this Limited and Linear Warranty to be effective.

b) This Limited and Linear Warranty does not apply to any module which, in Green Brilliance Solar's sole judgment, has been subjected to:

- Failure to meet the agreed commercial terms with Green Brilliance Solar or its subsidiaries. In case that Green Brilliance Solar rejects the claim under this warranty based on this provision, the Buyer can deposit the amount not paid in order to trigger the warranty claims;
- Failure to provide proof of purchase or product information
- Failure to pay the purchase price towards Green Brilliance Solar or its subsidiaries which have put the module on the market even though (i) the payment was due and (ii) the direct customer who has obtained the module from Green Brilliance Solar or its subsidiary („direct customer“) is not entitled to withhold the purchase price or parts of the purchase price. Green Brilliance Solar must inform the buyer about the non-payment and provide the name and the full address of the direct customer which has failed to pay the module. In case that Green Brilliance solar can reject the claims under this limited warranty based on this provision, the buyer can deposit the amount not paid in order to trigger The Limited Product Warranty Claims
- Failure to do proper O&M as per manual information
- Misuse, tampering, abuse, neglect or accident
- Improper transportation, storage or handling
- Alteration, improper installation or application
- Removal and reinstallation at an alternate location
- Non-compliance with instructions in the installation manual
- Under this limited warranty, green brilliance solar is not responsible for any special, incidental or consequential damages (including loss of profits, business interruption, loss of power generation, harm to goodwill or business reputation, or delay damages) whether such claims are based in contract, warranty, negligence or strict tort. This exclusion applies to the extent permissible by law, and even if the remedies set forth below herein.
- Exposure to voltage in excess to the maximum system voltage at the lowest temperature of the place or power surges
- Repair or modifications by someone other than an approved service technician of Green Brilliance Solar
- Installation in direct contact with salt water, that is to say in offshore (e.g. platforms) and marine (e.g. piers, boats) applications, or contamination resulting from exceptional exposure to salt water or other chemicals
- Power failure surges, lightning, installation failure, flood, fire, natural disaster, accidental breakage, heavy snow loads, vandalism or other events outside Green Brilliance Solar's control
- Negligence or willful misconduct or other improper acts or omissions of the customer, its employees or agents, or other third parties
- This limited product warranty covers glass breakage provided that there was no external cause of breakage (i.e. only breakage caused by the glass itself or the module is covered).

- Material dispatched against FOR or Ex- works (INCOTERMS 2010) to the buyer or customer, if material is damaged due to labour mishandling outside of GreenBrilliance Premises at a time of loading and unloading of panels is not acceptable & not covered in Limited and Linear Warranty.
- Material dispatched against FOR or Ex- works (INCOTERMS 2010) to the buyer or customer (as per the request of the customer) in loose packing or loose panels in vehicle, if solar panels are damaged, then they are not covered in limited warranty statement or linear power warranty statement.
- Material dispatched FOR or Ex- works (INCOTERMS 2010) to the buyer or customer in roofless vehicle, if solar panels are damaged, then they are not covered in limited warranty statement or linear power warranty statement.
- Damage take place in solar panels due to not following unpacking instruction of installation manual Or Not Following Green Brilliance User Manual Instruction.
- This warranty does not apply to any alteration of the appearance of the module(s) that does not affect the performance or functionality of the module(s).
- This warranty does not cover any cost associate with onsite labour and any cost of return or re-shipment of module(s).
- This Limited and Linear Warranty covers glass breakage provided that there was no external cause of breakage (i.e. only breakage caused by the glass itself or the module is covered).
- Defects and/or failures caused by devices and/ or parts other than the module(s) or by mounting methods of such devices and/or parts;
- Any damages caused by abrasion, artificial damage or animals are exempt from this warranty. Defects and/ or failures caused by inappropriate environmental conditions or installation not in conference with module(s) specifications, installation manuals, operation manuals, or labels attached to the module(s);
- The installation of module(s) requires great degree of skills, it should be handled only by a qualified and licensed professional, including, without limitation, licensed contractors and licensed electricians in case of replaced module(s), the warranty is available only for the remaining term and the term of warranty shall not again start from the date of replacement of module(s).
- If shadow falls on panels at any installed site for a very long time, it can lead to hotspots in panels and panel will be damaged or burn. Such panels will not be covered in Limited and Linear Warranty.

c) The customer (and/or its Forwarding Company) shall be responsible for inspecting and accepting the modules delivered by Green Brilliance Solar. Any claim related and/or linked to damages in the packaging, such as impacts on pallets, will only be accepted by Green Brilliance Solar if these occur during delivery itself. In all other cases, damages should be claimed from the Forwarding Company or Insurance Company.

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d) Warranty Claims will not be honoured if the serial number is altered, removed, or made illegible

The serial number should remain free from tampering for the warranty to be honoured.

packaging and shipping instructions provided by Green Brilliance Solar.

6. LIMITATION OF WARRANTY SCOPE

a) Disclaimer

This Limited and Linear Warranty is expressly in lieu of and excludes all other express or implied warranties, including but not limited to warranties of merchantability, title, non-infringement and fitness for particular purpose, use or application, and all other obligations or liabilities on the part of Green Brilliance Solar, unless such other obligations or liabilities are expressly agreed to in writing, and signed and approved by Green Brilliance Solar.

b) Limitation of Liability

To the maximum extent permitted by the applicable laws, Green Brilliance Solar shall have no responsibility or liability whatsoever for damage or injury to persons or property, or for other loss or injury, resulting from any cause whatsoever arising out of or related to any module, including, without limitations, any defect in any module, or from use or installation of any module. To the maximum extent permitted by applicable law, under no circumstances shall Green Brilliance Solar be liable for incidental, consequential or special damages, howsoever caused, even if Green Brilliance Solar has been advised of or reasonably could have foreseen such damages. Loss of use, loss of profits, loss of production and loss of revenues are hereby specifically, and without limitation, excluded to the maximum extent permitted by applicable law. Notwithstanding anything contained elsewhere in this document, Green Brilliance Solar's aggregate liability, if any, for damages or otherwise, shall not exceed the amount paid by the customer for the module that gave rise to the warranty claim.

8. SEVERABILITY

If a part, provision or clause of this Limited and Linear Warranty, or the application thereof to any person or circumstance, is held invalid, void or unenforceable, such holding shall not affect the validity or enforceability of any other part, provision or clause of this Limited Warranty or its applicability to any other person or circumstance, and to this end such other parts, provisions, clauses or applications of this Limited and Linear Warranty shall be treated as severable.

9. TECHNICAL DISPUTES

In the event of any dispute between Green Brilliance Solar and the customer as to the validity of any claim made under this Warranty, an ISO 17025 accredited test laboratory recognized by Green Brilliance Solar at its sole and absolute discretion shall be called upon to judge the claim. Any measurements will be conducted in accordance with IEC 60904 standards and under Standard Test Conditions (STC as defined in Section 3.b). All fees and expenses associated with engaging such institutes shall be borne by the losing party. Nothing contained in this Section 9 shall preclude one party from bringing any legal suit, action or proceedings against the other party before the Courts of India.

7. WARRANTY CLAIM SUBMISSION AND VERIFICATION

If the customer believes it has a justified claim covered by this Limited and Linear Warranty, and wishes to seek a remedy hereunder, the customer shall promptly contact the local Customer Service Manager, where applicable, submitting written notification by registered mail or by sending an email, who will then provide instructions and a claim form for filing the claim. If not applicable, the customer shall submit written notification directly to Green Brilliance Solar by mailing a registered letter to Green Brilliance Solar's address listed hereunder (Section 15) in order to receive instructions and the claim form for filing the claim.

Upon receipt of all the documentation required and specified in Green Brilliance Solar's claim form, Green Brilliance Solar may, at its sole and absolute discretion, seek further verification of the customer's claim such as the complete system details of the Plant and the operation and maintenance details of the plant. The return of any module will not be accepted unless prior written authorization has been given by Green Brilliance Solar and the customer has complied with the

10. MISCELLANEOUS

The customer may have specific legal rights outside this warranty, and may also have other rights that vary from jurisdiction to jurisdiction. This limited or linear warranty does not affect any additional rights the customer may have under mandatory rules of law in its jurisdiction. However, the overall liability of Green Brilliance Solar under this shall not be more than 100% of the total price paid for any individual module. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, as a result of which the limitations or exclusions in this Limited and Linear Warranty may not apply to the customer. In the event that Green Brilliance Solar replaces any module under this Limited and Linear Warranty.

a) The replaced module shall become the property of Green Brilliance Solar and Green Brilliance Solar will deliver exact nominal power module to match the string design of PV. If Green Brilliance Solar has discontinued production of that particular size PV module, Green Brilliance will replace the same size and same Pmax module within 50 days from complaint date

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11. WARRANTY TRANSFER

This Limited and Linear Warranty is transferable to any subsequent owner of a module solely in circumstances in which that module remains installed in its original location. Any transferee is subject to all the exclusions, limitations and conditions set forth herein.

12. FORCE MAJEURE

Green Brilliance Solar will not be liable in any way to the customer or any 3rd party for any non-performance due to acts of God, earthquakes and other natural calamities, war, riots, strikes, warlike conditions, plague and other epidemics, fire, flood, or any other similar cause of or circumstances beyond the reasonable control of Green Brilliance Solar. In such cases the warranty will be null and void

13. VALIDITY

The start date of this Limited and Linear Warranty ("Warranty Start Date") shall be defined as the earlier of either:

- a) The sales invoice date;
- or
- b) 180 days after module was dispatched from Green Brilliance Solar's production facilities.

This Limited and Linear Warranty shall be valid until a revised versions issued by Green Brilliance Solar. Green Brilliance Solar reserves the right to revise the warranty conditions without any prior notification. 14. Warranted power performance table

Year-22	83.4	Year-22
Year-23	82.8	Year-23
Year-24	82.1	Year-24
Year-25	81.4	Year-25
Year-26	80.8	Year-26
Year-27	80.1	Year-27

14.(B) Warranted Power Performance Values (WPPV) Applicable for Oriano Series

Year	WPPV(%)	Year
Year-1	97.00	Year-1
Year-2	96.35	Year-2
Year-3	95.70	Year-3
Year-4	95.05	Year-4
Year-5	94.40	Year-5
Year-6	93.75	Year-6
Year-7	93.10	Year-7
Year-8	92.45	Year-8
Year-9	91.80	Year-9
Year-10	91.15	Year-10
Year-11	90.50	Year-11
Year-12	89.85	Year-12
Year-13	89.20	Year-13
Year-14	88.55	Year-14
Year-15	87.90	Year-15
Year-16	87.25	Year-16
Year-17	86.60	Year-17
Year-18	85.95	Year-18
Year-19	85.30	Year-19
Year-20	84.65	Year-20
Year-21	84.00	Year-21
Year-22	83.35	Year-22
Year-23	82.70	Year-23
Year-24	82.05	Year-24
Year-25	81.40	Year-25
Year-26	80.75	Year-26
Year-27	80.10	Year-27

14.(A) Warranted Power Performance Values (WPPV) Applicable for Elio Series

Year	WPPV (%)	Year
Year-1	97.5	Year-1
Year-2	96.8	Year-2
Year-3	96.2	Year-3
Year-4	95.5	Year-4
Year-5	94.8	Year-5
Year-6	94.2	Year-6
Year-7	93.5	Year-7
Year-8	92.8	Year-8
Year-9	92.1	Year-9
Year-10	91.5	Year-10
Year-11	90.8	Year-11
Year-12	90.1	Year-12
Year-13	89.5	Year-13
Year-14	88.8	Year-14
Year-15	88.1	Year-15
Year-16	87.5	Year-16
Year-17	86.8	Year-17
Year-18	86.1	Year-18
Year-19	85.4	Year-19
Year-20	84.8	Year-20
Year-21	84.1	Year-21

15. CONTACT INFORMATION

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