

**PIENAAR ENERGY (PTY) LTD**

# **Ganoderma lucidum under photovoltaic panels**



## Overview

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In particular, we hypothesize that the combination of *G. japonica* fermented polysaccharides provides a novel and synergistic strategy to attenuate UVB-induced photoinflammation through modulation of TRPV4 and Nrf2 pathways, thereby distinguishing this study from prior. Epidermal photoinflammation has emerged as an atypical pathological response that poses a growing global threat to human health and well-being. In this study, a polysaccharide component (named LJGp) was isolated from *Laminaria japonica* and white *Ganoderma lucidum* fermentation broth, and its. *Ganoderma lucidum* were planted in an environmentally controllable mushroom room with different light supply modes that were, respectively, continuous white light (CK), red light (R), green light (G), blue light (B), and intermittent red light (R-), green light (G-), and blue light (B-), with a. Dear Editor: Ultraviolet (UV) radiation is a main cause of skin damage, including photoaging, generation of reactive oxygen species (ROS) and DNA damage. Photoaging in skin involves structural and functional modifications of the extracellular matrix (ECM) caused by the upregulation of the. *Ganoderma lucidum* is a mushroom which shows antitumor, anti-inflammatory and cy-toxic activity and grows prolifically in warm climates on decaying hardwood logs and Worldwide consumption of *G. lucidum* is several thousand tons, and the market is growing rapidly.

## Ganoderma lucidum under photovoltaic panels



### Ganoderma lucidum polysaccharides protect fibroblasts against UVB

Ganoderma lucidum has featured in traditional Chinese medicine for >1,000 years. Ganoderma polysaccharides (GL-PS), a major active ingredient in Ganoderma, confer immune regulation, ...

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## Estimation of microbial load in Ganoderma lucidum using a solar

This paper focuses on two key areas to provide the user with a precise and accurate system for controlling the drying process of Ganoderma lucidum. 1. The solar-electric hybrid dryer ...



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### A review of Ganoderma lucidum polysaccharides: Health benefit

In this review, the structure and health benefits were summarized, and the factors that may affect the quality of G. lucidum polysaccharides were discussed, including the use of chemical ...

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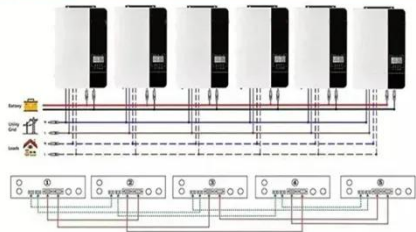
## The Protective Effect of Ganoderma lucidum Extract in Ultraviolet ...

Ganoderma lucidum has been used in China as a herbal medicine. Several studies have suggested that G. lucidum polysaccharides have anti-oxidative effect by activating the antioxidant enzyme activities ...

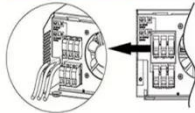


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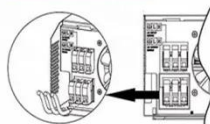
Parallel (Parallel operation up to 6 unit (only with battery connected))



AC input wires



AC output wires



## Ganoderma lucidum grows under photovoltaic panels in Science Park

As the photovoltaic (PV) industry continues to evolve, advancements in Ganoderma lucidum grows under photovoltaic panels in Science Park have become critical to optimizing the utilization of ...

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## The Protective Effect of Ganoderma lucidum Extract in Ultraviolet B

Throughout this review, several extracts obtained from Ganoderma species have been studied to delve into their therapeutic characteristics and mechanisms.



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## Ganoderma lucidum--From Ancient Remedies to Modern Applications

Ganoderma lucidum (G. lucidum), commonly known as Reishi or Lingzhi, is a medicinal mushroom with a rich history in traditional Asian medicine. This review examines diverse bioactive components ...

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## A review of polysaccharides from Ganoderma lucidum: Preparation ...

Ganoderma lucidum (G. lucidum), commonly known as "fairy grass", is a saprophyte fungus belonging to the Polyporaceae family with a lengthy history of use as a food ingredient and ...

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## Study on the Effects of Different Light Supply Modes on the ...

Edible fungi have certain photo-sensitivity during the mushroom emergence stage, but there have been few relevant studies on the responses of Ganoderma lucidum to different light ...

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## Light repair effect of polysaccharides component

## from white ...

In this study, a polysaccharide component (named LJGp) was isolated from *Laminaria japonica* and white *Ganoderma lucidum* fermentation broth, and its reparative effects on UVB ...

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