module efficiency increased up to 3% depending on module and cell configuration

- ready to use
- available
- gentle to your cells
- no additional processing steps necessary
- interesting optical appearance in connection with dark back-sheets (building integration)
- available in all current sizes, solders and cell designs

Schlenk Metallfolien GmbH & Co. KG
D-91154 Roth / Germany
Tel.: 0949 9171 808 0
lhs@schlenk.de • www.schlenk.com

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Product

LHS® SELECT is a roll-clad copper strip silvered on both sides and selectively pre-tinned. There are grooves precisely embossed length-wise into the strip. Much as conventional wires used today, LHS® connects the top and back sides of adjoining cells.

Function

The grooves in the surface of LHS® - Light Harvesting String reflect the incoming light back towards the glass/air interface resulting in a total reflection of light which is thrown back onto the surface of the cell. Consequently the light „captured” within the module can be used to generate additional electricity.

Performance

Conventional ribbons block sunlight by covering active cell area.

Up to 80% of this blocked sunlight can be regained by using LHS.

The structured surface of the silver clad strip allows sunlight to be reflected in a precisely defined angle, which will lead to an efficiency gain of up to 3%.

Application

Delivered in pre-tinned strip form

- Silver layer
- Copper core
- Tin layer
- Variable tin sequence

Ready to use:

LHS® SELECT is pre-tinned in areas where connections to the cells are to be made. Thus conventional stringing equipment can be used.

Gentle to your cells:

The thickness of the connector is reduced in the critical transition from front to back side. This reduces stress on the cell itself.

Available:

LHS® SELECT is available with individual tin-pad patterns, different solder-types and overall dimensions.

Variability:

Our LHS® SELECT var is highly flexible. The number of pads in a sequence can be adjusted to the cell string length (i.e. 10 or 12 cells).
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