

# Combiner Boxes and Solutions For PV Systems



## Protect and Enhance the Performance of Your Photovoltaic Installation

Hollandia Combiner Boxes are designed and built to minimize system costs by providing maximum flexibility. Solar Combiner Solutions are available in durable metal enclosures, engineered and manufactured to perform in the harshest environmental conditions.

Let Hollandia Solar custom fit a combiner box with safety and performance as you define it, and let us provide the finished product. Expand your capacity using our expertise with high-quality products designed specifically for the solar industry.



### APPLICATIONS

- Built to minimize system costs by providing maximum flexibility.
- PV Power Plants Centralized
- Commercial Grid-Tie Centralized
- Available with 1—48 input circuits and help save material costs, installation time and labor when joining the combiner box and disconnect within one enclosure (*Eliminating the need for a disconnect switch in a separate enclosure*)

### FEATURES

- Rated for 600VDC, 1000VDC or 1500VDC  $\pm$  continuous duty.
- Touch-safe Fuse Holders
- Higher Return on Investment
- Designed for Reliability
- Flexible
- Easy to Service
- Easy to Install

### SAFETY AND SYSTEM AVAILABILITY

In a photovoltaic system, the individual input wires or circuits are consolidated in series into “strings”. The strings connect via combiner boxes, which are fitted between several arrays or solar panels and the inverter. The combined input circuits mean fewer output circuits, which are also fed into combiner boxes, and eventually result in one main DC buss or feed. The DC buss then carries the combined electricity to the inverter, ultimately saving labor and material costs.



**Fuse Holder** Terminals for use in the PV area have passed insulation tests that ensures the terminals can withstand 1000V DC under all climatic conditions.



**Hollandia Direct Current Circuit Breakers and Surge Protection** are engineered to address the highest performance requirements and demands of photovoltaic systems while providing numerous accessories to fit different site specifications. Breakers are available from 10A to 63A at 440 Vdc and 800 Vdc.

- Custom Engineered Combiner Boxes are available. Please contact your Hollandia Representative for design assistance.