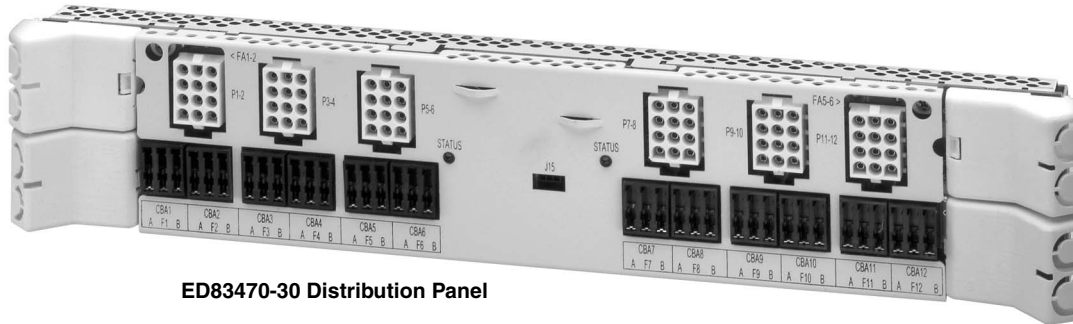


# ***ED83470-30 Distribution Panel***

## ***19-Inch, 36 GMT Type Fuse Panel***



**ED83470-30 Distribution Panel**

### ***Features***

- 36 GMT type fuses connectorized with returns in six groups of six
- GMT type fuses rated up to 15A
- Supports A and B feeds
- Fuse alarms are indicated by an LED, isolated contact closure, and a closure to battery (negative input rail)
- Compatible with CPS6000, Yukon and CPS4000 Power Systems
- Panels can be daisy chained
- 1.6-inch depth to allow minimal blockage of vertical airflow
- 2U height
- Easy front access connectorization
- -48V operating voltage
- Temperature Hardened -40°C to +75°C
- 23-inch adapter brackets available

**The ED83470-30 Distribution Panel** is a GMT type fuse distribution panel compatible with both 19 and 23-inch applications. It allows interface through either front access cabling or buss interconnect to the power shelf below. By changing the PWB assemblies to allow for circuit breakers, additional fuse options, and alternative interconnects, various DC distribution and interconnect options are also available for custom needs.

A fuse alarm is provided for each feed, and the fuse alarms can be commoned in the event that A/B feeds are not required. An LED indicates which feed has the fuse alarm.

The panel is equipped with a tie bar on the front for cable dressing, and the alarm wire can be dressed across the back. A protective front panel is marked with the fuse positions and prevents inadvertent contact with live parts.

**Specifications**

**Electrical**

Parameter	Min	Nom	Max	Notes
<b>Input</b>				
Input Voltage	-42 Vdc	-54.5 Vdc	-58 Vdc	
Input Current (front and rear access feeds)			72 A 144 A	Per side, for use on this panel Total on this panel
Input Terminations			6 pairs	Double-hole landings for 2 AWG wire.
<b>Output</b>				
Total Output Power			6048 W	
Output Voltage Range	-42 Vdc	-54.5 Vdc	-58 Vdc	
Output Current			52 A 200 A	Per output connector 100A per A-side, 100A per B-side in daisy-chained applications.
Output/Chassis Voltage Isolation	707 Vdc			For 1 minute. Capacitors from outputs to chassis can be removed for test.

**Environmental**

Parameter	Min	Nom	Max	Notes
Storage Temperature	-50°C		+85°C	
Operating Temperature	-40°C	+25°C	+75°C	
Operating Thermal Shock	30°C / hr			Ambient temperature changes not exceeding
Altitude	-200 ft		13,000 ft	
Storage Humidity	5%		95%	Non-condensing
Operating Humidity	5%		95%	Non-condensing - meets all specifications

**Physical**

Height	3.4 in. (2U)
Width	17.35 in.
Depth	1.59 in.
Weight	5.1 lb (2.3 kg) with packaging

**Safety / Standards Compliance**

UL Recognized (UL60950)
UL Recognized for Canada (C22.2 No. 60950-1-03)
VDE Licensed (VDE0805:2001-12 and EN 60950)

**Note:** The fuses are arranged in sets of three. When the “A” and “B” (outside) fuse positions are loaded at more than 10 amps, the “F” position (inside) fuse should be 5 amps or less. All fuse positions can be loaded to 12.5 amps in a 200 linear feet per minute airflow at 75°C.

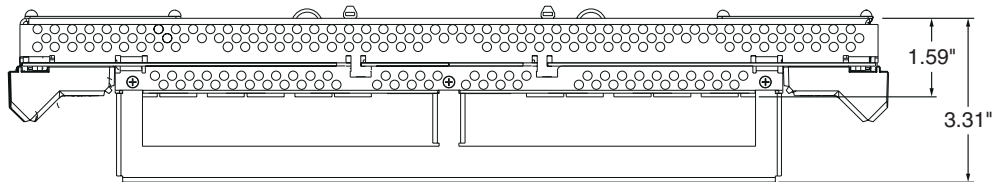
**Input Power Connections:** M6 threaded studs on 5/8-inch centers.

**Output Power Connector:** AMP Universal MATE-N-LOK 350735-1 Plug Housing 94V-0 nylon  
 Pin contact 350690-1 24-18 AWG brass/pre-tin  
 Pin contact 350547-1 20-14 AWG brass/pre-tin  
 Pin contact 640309-3 10-12 AWG brass/pre-tin

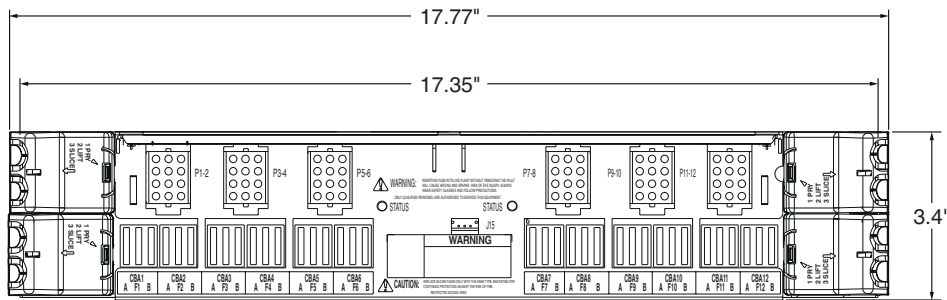
AMP Universal MATE-N-LOK II 770022-1 Plug Housing  
 Pin contact 770252-1 24-18 AWG brass/pre-tin  
 Pin contact 770250-1 20-14 AWG brass/pre-tin  
 Pin contact 770246-3 10-12 AWG brass/pre-tin

Coordinate fuse values and wire size to meet National Electric Code or local applicable standards.

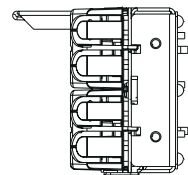
**Outline Drawings**



**Top View**



**Front View**



**Right View**

**Ordering Information**

<b>Description</b>	<b>Model</b>	<b>Comcode</b>
Distribution panel without brackets	ED83470-30 G-1	108991171
19-inch adapter bracket kit with the distribution panel	ED83470-30 G-1,A	108993738
23-inch adapter bracket kit with the distribution panel	ED83470-30 G-1,B	108993746
19-inch adapter brackets	ED83470-30 GA	848733758
23-inch adapter brackets	ED83470-30 GB	848733766

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