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# Sidecar PDF™

## Small Footprint Primary Distribution System



- 2900A and 4000A maximum distribution ampacity options available
- TPL fuse positions or large frame circuit breaker output circuit protection
- Small 12" x 25" footprint
- Direct bus connection to power plant or standalone cable options for input
- Mounts to side of Alpha® power plant systems
- Available in left and right mount configurations
- External return bus; available separately
- Alarm connections for fuse fail/breaker trip
- Up to (8) TPL fuse positions; 800A or 1200A max TPL fuse holders available
- Up to (24) Single-pole GJ breaker positions, with support for multiple breakers
- Up to (6) 3-or-4 pole GJ circuit breaker positions

**The Sidecar PDF™ is a small footprint side-mounted PDF system for adding additional primary distribution to Alpha power plants.**

Bus connections allow for easy connection to existing Alpha power plants without any additional cabling. Tiered internal terminations allow for easy landing and lacing of cables inside the cabinet. The system is available in left and right mount, with GJ breaker and TPL fuses for over current protection. It is also available in an optional standalone configuration featuring a top feed solution.

# Sidcar PDF™ Small Footprint Primary Distribution System Specifications

Electrical	
<b>Voltage:</b>	-48VDC
<b>Input Busses:</b>	1
<b>Total Load Current:</b>	2900 to 4000A (configuration dependent)
<b>Alarm Contacts:</b>	Form-C, 60VDC @ 0.5A max
<b>Circuits:</b>	(8) TPL fuse circuits; or (24) 1-pole GJ breaker circuits; or (12) 2-pole GJ breaker circuits; or (6) 4-pole GJ breaker circuits

Mechanical	
<b>Dimensions L x H x D (in/mm):</b>	12 x 84 x 25 / 305 x 2134 x 635

Environmental	
<b>Operating Temperature:</b>	0 to 40°C
<b>Humidity:</b>	0 to 95% RH non-condensing
<b>Elevation:</b>	-500 to 2000m
<b>Regulatory Compliance:</b>	<b>Safety:</b> ANSI/UL 60950-1

Model Configurations	
Part Number	Description
C016-1771-10	Sidcar PDF; Left Mount; 4000A; (8) 1200A TPL Fuse Sockets
C016-1772-10	Sidcar PDF; Right Mount; 4000A; (8) 1200A TPL Fuse Sockets
C016-1773-10	Sidcar PDF; Left Mount; 4000A; (8) 800A TPL Fuse Sockets
C016-1774-10	Sidcar PDF; Right Mount; 4000A; (8) 800A TPL Fuse Sockets
C016-1775-10	Sidcar PDF; Left Mount; 4000A; (4) 1200A TPL Fuse Sockets; (4) 800A Fuse Sockets
C016-1776-10	Sidcar PDF; Right Mount; 4000A; (4) 1200A TPL Fuse Sockets; (4) 800A Fuse Sockets
C016-1777-10	Sidcar PDF; Left Mount; 4000A; (12) 300A GJ Breakers
C016-1778-10	Sidcar PDF; Right Mount; 4000A; (12) 300A GJ Breakers
C016-1779-10	Sidcar PDF; Left Mount; 4000A; (6) 600A GJ Breakers
C016-1780-10	Sidcar PDF; Right Mount; 4000A; (6) 600A GJ Breakers
C016-1781-10	Sidcar PDF; Standalone; 4000A; (4) 1200A TPL Fuse Sockets; (4) 800A Fuse Sockets; Sockets Right
C016-1782-10	Sidcar PDF; Standalone; 4000A; (4) 1200A TPL Fuse Sockets; (4) 800A Fuse Sockets; Sockets Left
C016-1783-10	Sidcar PDF; Left Mount; 4000A; (24) 250A GJ Breakers
C016-1784-10	Sidcar PDF; Right Mount; 4000A; (24) 250A GJ Breakers
C016-1785-10	Sidcar PDF; Left Mount; 2900A; (4) 600A GJ Breakers
C016-1786-10	Sidcar PDF; Left Mount; 4000A; (2) 1200A TPL Fuse Sockets
C016-1833-10	Sidcar PDF; Left Mount; 4000A; (6) 300A GJ Breakers
C016-1834-10	Sidcar PDF; Right Mount; 4000A; (6) 300A GJ Breakers
C016-1861-10	Sidcar PDF; Hybrid; Left Mount; 4000A; (4) 1200A TPL Fuse Sockets; (6) 300A GJ Breakers
C016-1862-10	Sidcar PDF; Hybrid; Right Mount; 4000A; (4) 1200A TPL Fuse Sockets; (6) 300 GJ Breakers
C016-1863-10	Sidcar PDF; Hybrid; Left Mount; 4000A; (4) 800A TPL Fuse Sockets; (6) 300A GJ Breakers
C016-1864-10	Sidcar PDF; Hybrid; Right Mount; 4000A; (4) 800A TPL Fuse Sockets; (6) 300A GJ Breakers
C016-1865-10	Sidcar PDF; Hybrid; Standalone; 4000A; (4) 1200A TPL Fuse Sockets; (6) 300A GJ Breakers; Sockets/Breakers Left
C016-1866-10	Sidcar PDF; Hybrid; Standalone; 4000A; (4) 1200A TPL Fuse Sockets; (6) 300A GJ Breakers; Sockets/Breakers Right
C016-1867-10	Sidcar PDF; Hybrid; Standalone; 4000A; (4) 800A TPL Fuse Sockets; (6) 300A GJ Breakers; Sockets/Breakers Left
C016-1868-10	Sidcar PDF; Hybrid; Standalone; 4000A; (4) 800A TPL Fuse Sockets; (6) 300A GJ Breakers; Sockets/Breakers Right

External Return Bus	
Part Number	Description
C016-1890-10	External Return Bus; Sidcar PDF; 2900A
C016-1891-10	External Return Bus; Sidcar PDF; 4000A

Termination Kits	
Part Number	Description
C016-1770-10	Bus Kit; Top Feed; Sidcar PDF
C016-1792-10	Interbay Bus Kit; Right Sidcar PDF to 19" Rectifier Bay; 2900A
C016-1793-10	Interbay Bus Kit; Left Sidcar PDF to 19" Rectifier Bay; 2900A
C016-1796-10	Interbay Bus Kit; Right Sidcar PDF to 23" Rectifier Bay; 2900A
C016-1797-10	Interbay Bus Kit; Left Sidcar PDF to 23" Rectifier Bay; 2900A
C016-1798-10	Interbay Bus Kit; Right Sidcar PDF to 23" Rectifier Bay; 4000A
C016-1799-10	Interbay Bus Kit; Left Sidcar PDF to 23" Rectifier Bay; 4000A
C016-1810-10	Interbay Bus Kit; Right Sidcar PDF to (2) 19" Rectifier Bays; Return Kit Included; 4000A
C016-1811-10	Interbay Bus Kit; Left Sidcar PDF to (2) 19" Rectifier Bays; Return Kit Included; 4000A
C016-1812-10	Interbay Bus Kit; Right Sidcar PDF to (3) 19" Rectifier Bays w/Bus Duct; 4000A
C016-1813-10	Interbay Bus Kit; Left Sidcar PDF to (3) 19" Rectifier Bays w/Bus Duct; 4000A
C016-1814-10	Interbay Bus Kit; Right Sidcar PDF to (2) 23" Rectifier Bays; Return Kit Included; 4000A
C016-1815-10	Interbay Bus Kit; Left Sidcar PDF to (2) 23" Rectifier Bays; Return Kit Included; 4000A
C016-1816-10	Interbay Bus Kit; Right Sidcar PDF to (2) 19" Rectifier Bays; 4000A
C016-1817-10	Interbay Bus Kit; Left Sidcar PDF to (2) 19" Rectifier Bays; 4000A
C016-1837-10	Interbay Bus Kit; Left Sidcar PDF (mounted on the right) to 19" Rectifier Bay; 4000A
C016-1838-10	Interbay Bus Kit; Right Sidcar PDF (mounted on the left) to 19" Rectifier Bay; 4000A
C016-1839-10	Interbay Bus Kit; Left Sidcar PDF (mounted on the right) to 23" Rectifier Bay; 4000A
C016-1857-10	Interbay Bus Kit; Right Sidcar PDF to (2) 23" Rectifier Bays; 4000A
C016-1858-10	Interbay Bus Kit; Left Sidcar PDF to (2) 23" Rectifier Bays; 4000A
C016-1869-10	Interbay Bus Kit; Right Sidcar PDF (mounted on the left) to 23" Rectifier Bay; 4000A



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