

NETXTEND™ JUICEBOX SERIES

Automatic Transfer Switch



KEY FEATURES

- Integrated design minimizes “footprint,” maximizes system performance and reduces installation time.
- Easy access design simplifies upgrades or replacement.
- Main disconnect switch for utility and optional generator sources allows easy serviceability.
- Integrated ASCO® 300 Series transfer switch.
- Standard engine exerciser for weekly automatic testing of engine generator set with or without load.
- Powder coat paint finish provides a tough corrosion-resistant finish for longer life.
- UL Listed.

The NetXtend™ JuiceBox® Series ATS provides a safe and reliable means to transfer power to the permanent generator in the event of an outage.

Description

The NetXtend™ JuiceBox® Series Automatic Transfer Switch (ATS) complements the NetXtend JuiceBox Series of integrated enclosures from Vertiv, with indoor and outdoor options. The indoor solution is ideal for shelters and huts in the wireless industry, while the outdoor solution is designed to accompany an existing manual transfer switch or stand alone in any copper, fiber or wireless application.

Indoor Solution

The indoor ATS option is an integral part of NetXtend JuiceBox PDC enclosures. The solution offers AC distribution, surge protection and ATS capabilities, featuring the lowest possible clamp voltage to peak current performance characteristics available in the market today. Instead of dispersing ATS equipment throughout the shelter or cell site, the slim design of the NetXtend JuiceBox PDC Series consolidates load center, TVSS, transfer device and related equipment into a single enclosure.

The indoor solution also utilizes Silicon Avalanche Diode (SAD) or metal oxide varistor (MOV) technology, providing state-of-the-art protection at the branch service entrance. A combination of SAD/MOV technology is also an option.

Outdoor Solution

The outdoor ATS is designed to complement an existing manual transfer switch. This solution can be mounted back-to-back or side-by-side with the NetXtend JuiceBox® PESB Series from , or it can be remotely mounted with any manual transfer switch on site.



Indoor Solution



Outdoor Solution



Outdoor Solution Mounted Side-by-Side with PESB Series Manual Transfer Switch

Technical Specifications

INDOOR SOLUTION	
AC Cabinet Dimensions (H x W x D)	68.0" x 25.5" x 6.0"
Weight (approx.)	110 lbs. (50 kg)
Cabinet Enclosure Type	NEMA 1 rated
Amperage	200A utility/standby
Voltage	120/240 VAC single phase
Safety Compliance	UL 67 panel boards

For more information regarding the ATS indoor model, see the NetXtend™ JuiceBox® PDC Series web page

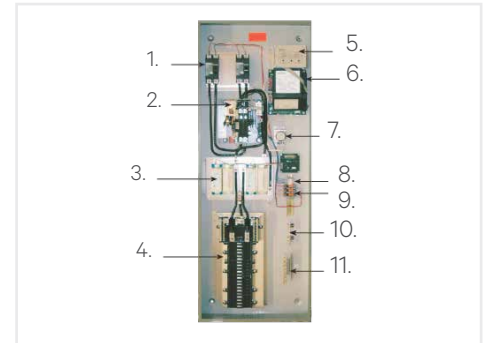
OUTDOOR SOLUTION	
Cabinet Dimensions (H x W x D)	43.2" x 21.4" x 9.0"
Weight	90 lbs (40.8 kg)
Cabinet Enclosure Type	Type 3R
Voltage	120/240 VAC single phase
Safety Compliance	UL891

For more information regarding the ATS outdoor model, refer to the NetXtend™ JuiceBox® Series web page

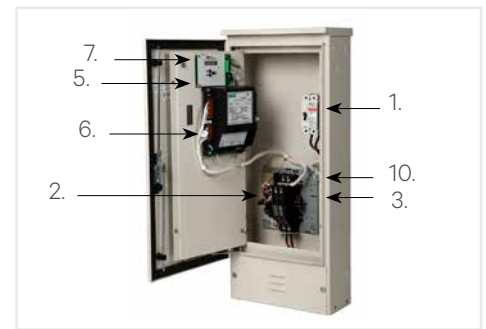
INDOOR SURGE PROTECTION SPECS	PRIMARY	SECONDARY
Nominal Clamp Voltage	232 Vpk	272 Vpk
Response Time	< 5 ns	< 20 ns
Peak Pulse Energy	Up to 800 Joules	> 1920 Joules
Peak Pulse Current (8x20µs)	Up to 20 kA	200 kA
Primary and Secondary		
Visual Indication	LEDs	
Remote Indication	Hardwired (form C dry contacts)	
Safety Compliance	UL 1449 recognized	
Protection	Overcurrent & overvoltage (thermal)	

Ordering Information

CATALOG NUMBER	PART NUMBER	DESCRIPTION
PDCB2KB24UG	F1008990	200A indoor ATS, 42 position, SAD/MOV surge protection
PDCBBKB24US	F1008958	200A indoor ATS, 42 position, MOV only surge protection, isolated ground
A100C	F1007034	100A outdoor ATS, stand alone module (remote mount)
A200C	F1007035	200A outdoor ATS, stand alone module (remote mount)
Accessories		
ATSXI	F1007484	Bottom for ATS when wall mounting
ATSTEMP	F1007036	Pad mounting template for outdoor ATS



Indoor Solution



Outdoor Solution

OVERVIEW

1. Utility Main Breaker.
2. ASCO 300 Series ATS.
3. TVSS Modules*.
4. Load Center.
5. ASCO ATS Control.
6. ATS Digital Controller.
7. Programmable Engine Exerciser.
8. ATS Position Contacts*.
9. 240VAC Voltage Monitoring Relays*.
10. Isolated Ground Bar.
11. Ground Bar.

* Not available for outdoor ATS.