



**VERTIV**<sup>TM</sup>

NETXTEND<sup>TM</sup> JUICEBOX SERIES

PPC Enclosures



## FEATURES AND BENEFITS

- **UL 891 Listed enclosure and system** — meets or exceeds industry standards for electrical requirements
- **UL type 3R rainproof** — meets or exceeds industry standards for rainproof protection
- **Available in numerous configurations** — each utilizing components from an array of world-class manufacturers for application flexibility
- **Wall or pad-mount options** — allow for flexible installation
- **Three-point locking system with padlock provisions** — offers greater security
- **All aluminum construction** — for durability, light weight and low maintenance costs
- **Our multistage powder coat finishing process** — meets or exceeds EPA standards and provides a tough corrosion-resistant finish for longer life

## Description

The NetXtend™ JuiceBox Series PPC Enclosures with NTI Technology from Vertiv™ offers full-service power transfer pedestals for use with outdoor electronic equipment closures, especially for the wireless market (i.e., base stations, remote terminals). The hinged deadfront design provides 120/240V single phase service, and offers a commercial AC/generator power transfer point through a mechanical transfer circuit breaker system. A load center is provided for power distribution. One position is reserved for the GFCI outlet and depending on configuration, one for the surge suppressor. This load center is protected by SAD/MOV surge

suppression designed with NTI Technology. The Deadfront design is available in 100 and 200 amp sizes. All PPC products are UL 891 Listed to meet industry and safety standards. The pedestal can be rated suitable for service entrance or non-service applications maintaining a rating up to 42,000 amps AIC and 65kAIC with upline class J fuse.

The PPC Series is designed with a side mounted telco compartment. This compartment has a plywood backboard for equipment mounting, a 12-position ground bar and GFCI outlets that protrude through from the AC cabinet. Options include a thermostatically controlled fan and optional T1 protection.

The NetXtend PPC Series is co-located with active electronic closures in wireless networks to provide AC power transfer, surge protection, distribution, and T1 terminations for cellular, PCS, and all wireless markets.



## Side-by-Side Model

### Standard Features – Side-by-Side Model

- AC and telco demarcation together
- Neutral-ground bonding point
- Manual transfer switch
- Transient Voltage Surge Suppression (TVSS)
- Generator receptacle
- Load center

NOTE: For cabinet specifications, refer to the AC and Telco Models on the following pages.



### Ordering Information – Side-by-Side Model

A small selection of products is listed below.

Please refer to the PPC Ordering Matrix on page 9 for additional configurations.

CATALOG NUMBER	PART NUMBER	DESCRIPTION
NS2S2W201		200A mechanical transfer device, 24-position load center, AR20044RS, SAD/MOV with 20" telco cabinet (no TCS-T1DS)
NS2S1W203		200A mechanical transfer device, 24-position load center, AR20033RS with 45 degree angle adapter, SAD/MOV with 20" telco cabinet, fire retardant plywood backboard
NS2S1W101		200A mechanical transfer device, 24-position load center, AR20044RS, SAD/MOV with 10" telco cabinet
LS2S1W201		100A mechanical transfer device, 12-position load center, PM4100B12W, SAD/MOV with 20" telco cabinet



## AC Model

### Standard Features – AC Model

- Neutral-ground bonding point
- Manual transfer switch
- Transient Voltage Surge Suppression (TVSS)
- Generator receptacle
- Load center
- Optional telco cabinet



### Specifications – AC Model

ENCLOSURE		
<b>Cabinet Dimensions (H x W x D)</b>	59.00" x 24.00" x 10.00"	
<b>Weight</b>	Approx. 150 lbs.	
<b>External Material</b>	Aluminum with polyester powder coat paint	
<b>Mounting</b>	Wall or pad mounted*	
ELECTRICAL		
<b>Operating Voltage</b>	240/120, single phase	
<b>Amperage</b>	100 or 200 Amp utility/standby (square D breakers)	
<b>AIC Rating</b>	100 Amp - 10,000 AIC	200 Amp - 22,000 AIC (65,000 with class J fuse)
<b>Manual Transfer Switch</b>	Square D walking beam interlock	
<b>Standby Generator Inlet</b>	100 Amp McGill part #PM4100B12W	200 Amp Appleton part #AR20044RS
<b>Peak Pulse Current Rating</b>	Primary SAD - 20kA at 8/20s	Secondary MOV - 200kA per phase
<b>Load Center</b>	12 or 24 position, Square D, Type QO breakers 1-60 Amp double pole (AC TVSS)	1-15 Amp single pole (GFI receptacles) 1-10 Amp single pole (auxiliary cabinet cooling fan)

\* Install neoprene base gasket when pad mounting.

## Ordering Information – AC Model

A small selection of products is listed below.

Please refer to the PPC Ordering Matrix on page 9 for additional configurations.

CATALOG NUMBER	PART NUMBER	DESCRIPTION
BS2S2W000		200A mechanical transfer device, 24-position load center, AR20044RS, SAD/MOV
BN2S2W000		200A mechanical transfer device, 24-position load center, SAD/MOV

*AC Model shown with interior deadfront panel open (left) and closed.*



## Telco Model

### Standard Features – Telco Model

- Wall-mount or grade Level
- Plywood back board
- Transient voltage surge suppressor for telco T1 service optional
- Cooling fan with thermostat
- Terminal block with remote indication
- Metal mesh electrostatic air filter
- NEMA 3R rainproof



### Specifications – Telco Model

#### ENCLOSURE

<b>Cabinet Dimensions (H x W x D)</b>	59.00" x 24.00" x 20.00"
<b>Weight</b>	Approx. 110 lbs.
<b>External Material</b>	Aluminum with polyester powder coat paint
<b>Mounting</b>	Wall or pad mounted* Plywood backboard for equipment mounting (39" x 20") Ground bar
<b>Cooling</b>	Electric cooling fan with thermostat**
<b>Remote Indication (optional)</b>	8-position terminal block with wire harness
<b>Grounding</b>	12 position, double lug master ground bar
<b>Surge Suppression (optional)</b>	T1 TVSS service, Silicon Avalanche Diode (SAD)
<b>Security</b>	Three point latch (padlock hasp), continuous stainless steel hinge
<b>Safety Compliance</b>	NEMA 3R type enclosure***

\*Install neoprene base gasket when pad mounting.

\*\*Fan leads must be connected to power using the wire harness provided, 120 VAC, 10A breaker.

\*\*\*All penetrations of the cabinet must utilize NEMA 3R rated components to maintain the cabinet rating.



### Ordering Information – Telco Model

A small selection of products is listed below.

Please refer to the PPC Ordering Matrix on page 9 for additional configurations.

CATALOG NUMBER	PART NUMBER	DESCRIPTION
TNN00W201		20" telco cabinet with TCS-T1DS
TNN00W238		20" telco cabinet (no TCS-T1DS)
TNN00W270		20" telco cabinet with 2000048 multi T1, isolated ground (no terminal block)
TNN00W101		10" telco cabinet with TCS-T1DS

## Combo Cab Model

### Standard Features – Combo Cab Model

- AC and telco equipment in a single enclosure saves space and installation time
- Suitable for use as service equipment
- Flexible mounting options include wall, H-frame, bracket and pad mount
- 200 amp generator receptacle
- 24-position load center
- Slide bar mechanical interlock
- TVSS
- Telco demarcation
- UL891 Listed



### Ordering Information – Combo Cab Model

A small selection of products is listed below.

Please refer to the PPC Ordering Matrix on page 9 for additional configurations.

CATALOG NUMBER	PART NUMBER	DESCRIPTION
CS2S2W736		200A slide bar transfer device, 24-position load center, AR20044RS SAD/MOV, over/under
CS7S2W836		200A slide bar transfer device, 24-position load center, AR20044RS MOV, over/under

NOTE: Other options, configurations and components are available for the Combo Cab Series.



Vertiv™ provides a complete range of communications network infrastructure solutions and services built on an industry-leading reputation for quality, reliability and value.

**Specifications – Combo Cab Model**

<b>CABINET CONFIGURATION</b>	<b>CS2S2-W736</b>	<b>CS7S2-W836</b>
<b>Cabinet Dimensions (H x W x D)</b>	66" x 30" x 10"	60" x 25" x 10"
<b>Weight</b>	Approx. 150 lbs.	Approx. 150 lbs.
<b>External Material</b>	0.125" thick aluminum w/ gray powder coat paint	0.100" thick aluminum w/ gray powder coat paint
<b>Front Door</b>	SS hinge, 3 point latching handle, 180° wind stop	SS hinge, 3 point latching handle, 90° wind stop
<b>Mounting</b>	Wall, H-frame, bracket or pad mount	Wall, H-frame or pad mount
<b>Safety Compliance</b>	UL 891 dead front switchboards, NEMA type 3R	UL 891 dead front switchboards, NEMA type 3R
<b>AC COMPARTMENT</b>		
<b>Dimensions (approx.)</b>	30" x 30" x 10"	30" x 25" x 10"
<b>Voltage</b>	240/120 Vac, single phase	240/120Vac, single phase
<b>Amperage</b>	200A	200A
<b>Fault Current Rating</b>	65kAIC	65kAIC
<b>Main Breakers</b>	200A square D, QG type	200A square D, QG type
<b>Transfer Type</b>	Slide bar mechanical interlock	Slide bar mechanical interlock
<b>Distribution</b>	24 position, square D load center	24 position, 200A load center
<b>Branch Breakers</b>	60A, 240Vac, square D (TVSS) 15A, 120Vac, square D (Convenience Outlets) 10A, 120Vac, square D (Cooling Fan)	60A, 240Vac, square D (TVSS) 20A, 120Vac, square D (Convenience Outlets)
<b>Generator Receptacle</b>	200A Appleton AR20044RS (left or right mount)	200A Appleton AR20044RS
<b>Grounding</b>	AC power ground bar (#14 - #2)	AC power ground bar (#14 - #2)
<b>TVSS</b>	SAD primary 20kA, MOV secondary 200kA	MOV only 200kA
<b>TELCO COMPARTMENT</b>		
<b>Dimensions (H x W x D)</b>	36" x 30" x 10"	30" x 25" x 10"
<b>Grounding</b>	Ground bar (#14 - #2)	Ground bar (#14 - #2)
<b>Equipment Mounting</b>	Plywood back board	19" x 19" plywood back board
<b>Climate Control</b>	Heavy duty cooling fan with thermostat	
<b>Filters</b>	Metal mesh electrostatic filters (reusable)	
<b>Convenience Outlet</b>	GFCI, standard duplex receptacle (exterior)	GFCI, duplex receptacle (interior)
<b>T1 TVSS</b>	None	(1) TCS-T1DS - T1 line surge suppression



## PPC Ordering Matrix

<b>Cabinet Configuration</b>	L	=	100A (10kAIC w/ walking beam)	C	=	200A (65kAIC with slide bar)	H	=	200A (25kAIC w/ slide bar)
	N	=	200A (22/65kAIC w/ wkg. beam)	D	=	200A (10kAIC with slide bar)	T	=	Telco cabinet only
	A	=	100A AC cabinet only	G	=	100A (10kAIC with slide bar)	E	=	ECC cabinet only
	B	=	200A AC cabinet only						
<b>Generator Receptacle</b>	S	=	Standard	D	=	AR20044RS with 45° angle	T	=	Custom (wiring #1)
	A	=	45° angle	E	=	ADR1033RS (100A)	M	=	ADR1033RS (field install)
	B	=	AR20034RS	G	=	AR20033RS	N	=	None
	C	=	AR20033RS, 45° angle	H	=	No receptacle, breaker, interlock			
<b>TVSS Level</b>	2	=	20KA TVSS	7	=	MOV only (1 - 6M120V/phase)	N	=	None
	6	=	MOV only 400kA/Phase			200kA/Phase			
<b>TVSS Connection</b>	S	=	Standard (breaker)	0	=	None			
<b>Load Center</b>	1	=	12 position	2	=	24 position	0	=	None
<b>Auxiliary Cabinet</b>	1	=	10x24 Telco (10" cabinet)	7	=	Combo (AC/Telco)	0	=	None
	2	=	20x24 Telco (20" cabinet)	8	=	Combo Lite, 60Hx25Wx10D G/R on right (facing)			
<b>Mounting Options</b>	W	=	Wall / in-line cabinets						
<b>Auxiliary Options</b>	0	=	None (AC cabinet only)	2X	=	Qty. 2 TCS TIDS	63	=	AC status relay on utility breaker 65kAIC
	1	=	Telco, standard plywood	34	=	No fans, no TCS-TIDS	64	=	AC status relay on generator breaker 10kAIC
	2	=	Telco, plywood 2 sides	36	=	New combo PPC configuration G/R on left (facing)	66	=	AC status relay on utility & generator 22kAIC
	3	=	Telco, flame retardant plywood	37	=	Telco, no plywood or TCS-TIDS	67	=	AC status relay on utility & generator 65kAIC
	4	=	Telco, flame retardant plywood 2 sides	38	=	No TCS-TIDS (Sprint)	70	=	Includes multiline T1 product (custom)
	1X	=	Pass through lugs on load center	62	=	AC status relay on utility breaker 22kAIC			

CAC Model

Standard Features – CAC Model

- Telco demarcation with optional telco cabinet
- NEMA 3R rainproof enclosure
- 3-point door closure with continuous hinge and heavy duty door gasket
- UL891 listed rain/drip hood provides protection against the elements
- 0.1" thick aluminum
- Corrosion resistant powder coat paint
- Wall/bracket or pad-mountable
- Optional N-G bonding jumper
- Mechanical interlock prevents simultaneous use of utility and generator power
- Brute force metal oxide varistor surge suppression with easy to read LED and remote status indication
- Generator receptacle options include: 100A or 200A, 10kAIC or 22kAIC, 65kAIC



Specifications – CAC Model

ENCLOSURE	AC CABINET	TELCO CABINET
<b>Cabinet Dimensions</b>	39.00" H x 20.00" W x 10.00" D	39.00" H x 20.00" W x 10.00" D
<b>Weight</b>	Approx. 75 lbs.	Approx. 20 lbs.
<b>External Material</b>	0.1" thick aluminum	0.1" thick aluminum
<b>Mounting</b>	Wall or pad-mount (with optional pad-mounting base)	Wall or pad-mount (with optional pad-mounting base)
<b>Cabinet Enclosure Type</b>	One AC Power TVSS cabinet (NEMA 3R type enclosure)	Single cabinet (NEMA 3R type enclosure)
<b>Weather Protection</b>	Rain/drip hood, rain tested per UL 891	UL 50
ELECTRICAL		
<b>Operating Voltage</b>	120/240 VAC, single phase, 3 wire and ground	
<b>Service</b>	100 Amp or 200 Amp. utility/standby	
<b>Disconnect</b>	Slide bar mechanical interlock	
<b>AIC Rating</b>	10kAIC, 22kAIC, 65kAIC	
<b>Load Center</b>	200 Amp, 24 position 1-30 Amp double pole (AC TVSS) 1-15 Amp single pole (GFI receptacles)	
<b>Bonding Jumper</b>	Optional N-G bonding jumper	
<b>Standby Power Receptacle</b>	Appleton AR20044RS Standard (100A or 200A), 10kAIC	
<b>TVSS with Indicator Lights</b>	Metal oxide Varistors (MOV) (160kA/Phase) Remote alarm contacts	
<b>Grounding</b>		Telco ground bar
<b>Security (padlockable)</b>	3-point door closure with 1/4 turn handle, SS hinge	1/4 turn handle, SS hinge
<b>Safety Compliance</b>	UL 891, dead front switchboards	UL 50, cabinets and cutout boxes
<b>Options</b>	10,000 or 22,000, 65,000 AIC series rated Pad-mounting base (8" thick) Various generator receptacles offered	Telco transient surge suppression Pad-mounting base (8" thick) 20" deep cabinet base Cooling fans with thermostat

NOTE: AC cabinet is suitable for use as service equipment

## Ordering Information – CAC Model

A small selection of products is listed below.

Please refer to the CAC Model Ordering Matrix for additional configurations.

CATALOG NUMBER	PART NUMBER	DESCRIPTION
CACA22204090		100A slide bar transfer device, 24-position load center, ADR1044RS, MOV
CACA45201090		200A slide bar transfer device, 24-position load center, AR2044RS, MOV
CACA45201190		200A slide bar transfer device, 24-position load center, AR20044RS with 45 degree angle adapter, MOV
CACA75201090		200A slide bar transfer device, 30-position load center, AR20044RS

## Ordering Matrix - CAC Model

<b>AC Power Configuration</b>	2	=	100A main, 24 pos. LC
	4	=	200A main, 24 pos. LC
	7	=	200A main, 30 pos. LC
<b>AIC Rating</b>	2	=	10K AIC
	5	=	65K AIC Series Rated
<b>Main Breakers (Transfer Device)</b>	1	=	Single disconnect
	2	=	Slide bar mechanical interlock
<b>Generator Inlet</b>	00	=	None
	01	=	AR20044RS (Appleton 200A)
	02	=	AR20034RS (Appleton 200A)
	03	=	AR20033RS (Appleton 200A)
	04	=	AR1044RS (Appleton 100A)
	05	=	HBL2715SW (Hubbell 30A)
	08	=	M4100B12W (McGill 100A)
	09	=	HBL4100RS2WR (Hubbell 100A)
	10	=	HBL4100RS1WR (Hubbell 100A)
	11	=	HBL4200RS1WR (Hubbell 200A)
	12	=	4100B12W (Hubbell 100A)
	13	=	ADR1033RS (Appleton 100A)
	14	=	Custom Option
	<b>Generator Inlet Accessories</b>	0	=
1		=	45 degree angle adapter
<b>TVSS Options</b>	0	=	None
	9	=	IG120S200RK-WW
<b>Cabinet Mounting</b>	0	=	None





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