



DATCO JUICE-BOX 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 **DATCO** Juice-Box Series PPC Enclosures with NTI Technology from **BADRY DATCO** 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 dead front design provides 220/240V 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 Dead-front design is available in 100 up to 630 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 up-line 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 **DATCO** 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



DATCO JUICE-BOX SERIES

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		
Cabinet Dimensions (H x W x D)	59.00" x 24.00" x 10.00"	
Weight	Approx. 150 lbs.	
External Material	Aluminum with polyester powder coat paint	
Mounting	Wall or pad mounted*	
ELECTRICAL		
Operating Voltage	240/120, single phase	
Amperage	100 or 200 Amp utility/standby (square D breakers)	
AIC Rating	100 Amp - 10,000 AIC	200 Amp - 22,000 AIC (65,000 with class J fuse)
Manual Transfer Switch	Square D walking beam interlock	
Standby Generator Inlet	100 Amp McGill part #PM4100B12W	200 Amp Appleton part #AR20044RS
Peak Pulse Current Rating	Primary SAD - 20kA at 8/20s	Secondary MOV - 200kA per phase
Load Center	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 dead-front panel open (left) and closed.



DATCO JUICE-BOX SERIES

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	
Cabinet Dimensions (H x W x D)	59.00" x 24.00" x 20.00"
Weight	Approx. 110 lbs.
External Material	Aluminum with polyester powder coat paint
Mounting	Wall or pad mounted* Plywood backboard for equipment mounting (39" x 20") Ground bar
Cooling	Electric cooling fan with thermostat**
Remote Indication (optional)	8-position terminal block with wire harness
Grounding	12 position, double lug master ground bar
Surge Suppression (optional)	T1 TVSS service, Silicon Avalanche Diode (SAD)
Security	Three point latch (padlock hasp), continuous stainless steel hinge
Safety Compliance	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
- 24-position load center
- Slide bar mechanical interlock
- Suitable for use as service equipment
- TVSS
- Flexible mounting options include wall, H-frame, bracket and pad mount
- Telco demarcation
- UL891 Listed
- 200 amp generator receptacle



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.



DATCO 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

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

PPC Ordering Matrix

Cabinet Configuration	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						
Generator Receptacle	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			
TVSS Level	2	=	20KA TVSS	7	=	MOV only (1 - 6M120V/phase)	N	=	None
	6	=	MOV only 400kA/Phase			200kA/Phase			
TVSS Connection	S	=	Standard (breaker)	0	=	None			
Load Center	1	=	12 position	2	=	24 position	0	=	None
Auxiliary Cabinet	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)			
Mounting Options	W	=	Wall / in-line cabinets						
Auxiliary Options	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-T1DS	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-T1DS	67	=	AC status relay on utility & generator 65kAIC
	4	=	Telco, flame retardant plywood 2 sides	38	=	No TCS-T1DS (Sprint)	70	=	Includes multiline T1 product (custom)
	1X	=	Pass through lugs on load center	62	=	AC status relay on utility breaker 22kAIC			

DATCO JUICE-BOX SERIES

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

AC Power Configuration	2	=	100A main, 24 pos. LC
	4	=	200A main, 24 pos. LC
	7	=	200A main, 30 pos. LC
AIC Rating	2	=	10K AIC
	5	=	65K AIC Series Rated
Main Breakers (Transfer Device)	1	=	Single disconnect
	2	=	Slide bar mechanical interlock
Generator Inlet	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
	Generator Inlet Accessories	0	=
1		=	45 degree angle adapter
TVSS Options	0	=	None
	9	=	IG120S200RK-WW
Cabinet Mounting	0	=	None



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