

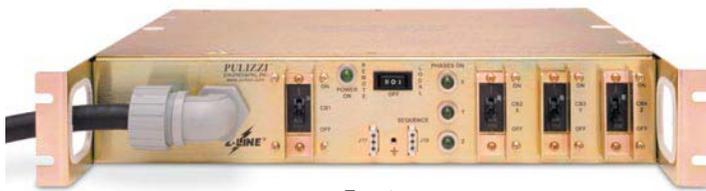
**EAT•N**

**Powerware**

**Three Phase Systems-North American PC2641 Series**



**Enclosure Power Distribution Units (ePDU™)**



Front



PC2641-D Rear

**RACK MOUNTED**

- 19" x 3.4" (2U) x 14.5" (recessed)
- Approximate weight: 29 lbs.

**(14) NEMA OUTLETS**

- 2 unswitched outlets
- 12 switched outlets, 4 per phase

**(4) INDICATOR LIGHTS**

- Main breaker power "on" to system and unswitched duplex
- Power "on" to PH-X, -Y, -Z outlets

**SPIKE/SURGE SUPPRESSION**

- 320V MOV L-N

**EMI/RFI FILTERING**

- Common Mode - Line to Ground
- Differential Mode - Line to Line

**LOCAL/OFF/REMOTE SWITCHING**

- Local: Power "on or off" to the switched outlets
- Off: When breaker is "on" but this switch is in the "off" mode, you will have power to the unswitched outlets only
- Remote: Power "on or off" to the switched outlets via a remote device
- When using the Latching remote, the selection switch is wired for Remote/Off/Remote. There is no local control.

**MULTIPLE TIME DELAY™ (MTD™)**

- PH-X powers up immediately, followed 4-seconds later by PH-Y, which is followed 4-seconds later PH-Z, then 4-seconds later the sequenced remote activates the next system in line
- PC2641-D/MTD and PC2641-D/LT only models

**POWER INPUT**

- Power cable with plug is attached to unit through the front panel cable grip

**BRANCH CIRCUIT PROTECTION**

- UL498 Listed electromagnetic breakers, with a long time delay curve, provide both manual on/off switching and trips automatically in an overload condition

**4 REMOTE I/O PORTS**

- Remote on/off and EPO control, EPO overrides remote and local control
- Sequence Power Up additional equipment down line (standard on all units)
- Latching remote - normally closed EPO, momentary start. Units with "LT" in part number, i.e. PC2641-D-LT or /LT



SPECIFICATIONS	PC2641-D	PC2641-D-LT	PC2641-D/MTD	PC2641-D/LT
Voltage Input Three Phase (50/60Hz)	120/208V~	120/208V~	120/208V~	120/208V~
Voltage Output Single Phase (50/60Hz)	120V~	120V~	120V~	120V~
Current Input Per Phase	30A Per Phase	30A Per Phase	30A Per Phase	30A Per Phase
Current Output Per Phase	24A Per Phase	24A Per Phase	24A Per Phase	24A Per Phase
Full Load VA Per Phase	2880VA Per Phase	2880VA Per Phase	2880VA Per Phase	2880VA Per Phase
NEMA Outlets	5-20R	5-20R	5-20R	5-20R
Main Circuit Breaker (on/off switch)	30/30/30A	30/30/30A	30/30/30A	30/30/30A
Secondary Circuit Breakers Per Phase	20/20A	20/20A	20/20A	20/20A
Unswitched Duplex Circuit Breaker	20A	20A	20A	20A
EMI/RFI Filter	30A	30A	30A	30A
Surge Suppression	320V	320V	320V	320V
Power Cord/Length/Plug	10/5, 15', L21-30P	10/5, 15', L21-30P	10/5, 15', L21-30P	10/5, 15', L21-30P
Remote Control	Standard Remote	Latching Remote	Standard Remote	Latching Remote
Multiple Time Delay	NO	NO	YES	YES

TVSS (Transient Voltage Surge Suppression) MOV SPECIFICATIONS			
Continuous AC Voltage	150VAC	270VAC	320VAC
Continuous DC Voltage	200VDC	360VDC	420VDC
Max. DC Leakage	200µA	200µA	200µA
Low Varistor Voltage Limit	212VDC	389VDC	462VDC
High Varistor Voltage Limit	243VDC	453VDC	540VDC
Nominal Varistor Voltage	236VDC	424VDC	503VDC
Current For Varistor Voltage	1mA	1mA	1mA
Max. Clamp Voltage 8x20µs	360V	680V	810V
Max. Clamp Voltage Test Current	100A	100A	100A
Peak Current Rating (1 Pulse)	12000A	10000A	10000A
Peak Current Rating (2 Pulse)	9000A	6500A	6500A
Energy Rating (10x1000µs)	170J	325J	385J
Energy Rating (8x20µs)	170J	325J	385J
Capacitance	1700pF	970pF	820pF
Impulse Response Time	50ns	50ns	50ns

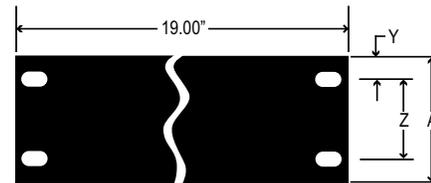
EMI/RFI FILTERING COMMON MODE INSERTION LOSS						
Mhz.	.05	.15	.50	1.5	5.0	20.0
dB.	4	18	38	44	50	50

DIFFERENTIAL INSERTION LOSS						
Mhz.	.05	.15	1.0	1.5	5.0	20.0
dB.	12	20	40	60	50	50

**Environmental**

Operating Temperature is 0 to 50 C  
 Storage Temperature is -40 to 70 C  
 Altitude Maximum 10,000 ft.  
 Relative Humidity is 95% Max Non-Condensing

**Rack Mounting Hole Specification Table**



**HOLE SPECIFICATION TABLE**

A	Y	Z
3.5	.875	1.75

## Optional Remote Control Panel



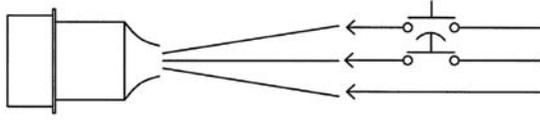
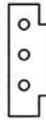
RCP100-BLK-LT



RCP200-BLK-LT

## Standard Remote Control Interface

START/ POWER REQUEST PIN 1  
EPO/ POWER OFF PIN 2  
COMMON (NOT GROUND) PIN 3



N/O MAINTAINED CONTACT (START)  
N/O MAINTAINED CONTACT (STOP/EPO)  
COMMON (NOT GROUND)

### REMOTE START REQUIRES (2) CONDITIONS:

1. The "on/off/remote" switch must be in the "remote" position.
2. A maintained closure between pins 1 & 3 will turn the unit on.

### REMOTE POWER OFF REQUIRES (1) CONDITION:

1. Opening the maintained connection between pins 1 & 3 will turn off the switched outlets.

### REMOTE EPO REQUIRES (1) CONDITION:

1. A maintained contact between pins 2 & 3 will turn off the switched outlets regardless of the position of the "on/off/remote" switch.

### SEQUENCED REMOTE:

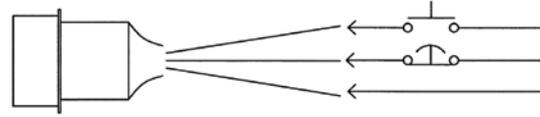
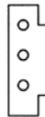
Connect pins 1, 2 & 3 of the sequence port to pins 1, 2 & 3 on any remote port of the slave unit. **(Do not connect to another "sequence" port!)** The sequence port of the master unit activates 4 seconds after the final set of outlets turn on. Additional units may be daisy chained in this fashion.

**CAUTION!**  
**THIS TYPE OF REMOTE IS NOT TO BE SUBSTITUTED FOR A SAFETY INTERLOCK!**

**EPO is normally open, so removing the EPO connection will not shut down the power to the unit.**

## Latching Remote "LT" Control Interface

START/ POWER REQUEST PIN 1  
EPO/ POWER OFF PIN 2  
COMMON (NOT GROUND) PIN 3



N/O MOMENTARY CONTACT (START)  
N/C MAINTAINED CONTACT (STOP/EPO)  
COMMON (NOT GROUND)

### REMOTE START REQUIRES (2) CONDITIONS:

1. A maintained contact between pins 2 & 3.
2. A momentary contact between pins 1 & 3.

### REMOTE POWER OFF OR EPO REQUIRES (1) CONDITION:

1. Opening the maintained connection between pins 2 & 3. Additional EPO or stop buttons can be connected in series between pins 2 & 3. This will turn off the switched outlets regardless of the remote switch position.

### SEQUENCE REMOTE:

Connect pins 1 & 2 of the "sequence" port to any remote port on another "-LT" unit. The sequence port activates 4 seconds after the final set of outlets turn on.

**(Do not connect to another "sequence" port!)**

**NOTE:** "LT" units are designed for remote operation only.

Even when the "REMOTE/OFF/LOCAL" switch is set to "LOCAL", the unit still requires a power request from the remote ports to turn the unit on.

**REMOTE OPERATION:** Most Pulizzi® units have more than one remote connector. Unless labeled as "SEQUENCE" they are wired in parallel. Connection to only one remote connector is required. It is recommended that a Pulizzi® control panel be ordered for use with your PDU. Connectors are provided for those who wish to wire their own switches or control panels. We recommend using 14 AWG wire and not exceeding 50 feet for any remote cable. Mating control panels can be seen on our web site at [www.pulizzi.com](http://www.pulizzi.com).

**If additional remote connectors are needed:** The female AMP connectors used in our Power Controllers are: three pin - Part Number 1-480304-0 and four pin Part Number 1-480425-0, and are used with AMP Socket Terminals, Part Number 60619-1. The mating male AMP connector is: three pin - Part Number 1-480305-0, and four pin - Part Number 1-480426-0 and are used with AMP male contacts Part Number 60620-1.

