




Automation for a Changing World

# Industrial Automation



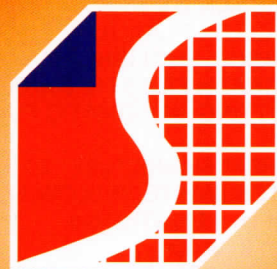
**UDAY** <sup>®</sup>  
**UDYOG**  
ELECTRONICS (P) LTD

**INDUSTRIAL  
MARKING  
SOLUTIONS**

**TUBE AND LABEL PRINTER**

**STANDARD AND ECONOMICAL CHOICE  
FOR MARKING JOB**

TP76E  
TP70E



**SUPVAN**



## **FEATURES**

- Single print ribbon for all medium
- Automatic- Feed, Clean, Nip, Ribbon pre tighten, half cut, full cut.
- Large backlight LCD.
- The cutting depth is adjustable.
- Standard 85-key computer Keyboard
- USB link with professional editing software
- Large internal storage capacity.

# ECONOMICAL CONSUMABLES

## INK RIBBON CARTRIDGE



- QUICK REPLACEMENT
- SINGLE RIBBON FOR ALL MEDIA
- CONTINUOUS PRINTING
- EFFECTIVE PRICE

## LABEL TAPE



- WATER RESISTANT
- LONGER DURABILITY
- INDOOR/ OUTDOOR APPLICATIONS
- NO STICKY RESIDUE

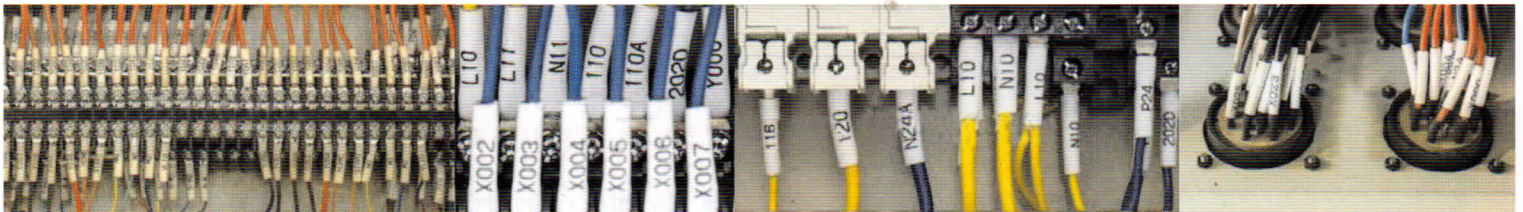
## SELECTION CHART

NAME	TYPE	CODE
RIBBON	Ribbon cassette (black)(100m/box)	TP-R100EB
	Ribbon cassette (red)(80m/box)	TP-R80ER
	Ribbon cassette (white)(80/box)	TP-R80EW
LABEL	label cassette tape (white 12mm)(16m/box)	TP-L12EW
	label cassette tape (yellow 12mm)(16m/box)	TP-L12EY
	label cassette tape (silver 12mm)(16m/box)	TP-L12ES
	label cassette tape (white 9mm)(16m/box)	TP-L09EW
	label cassette tape (yellow 9mm)(16m/box)	TP-L09EY
	label cassette tape (silver 9mm)(16m/box)	TP-L09ES
	label cassette tape (white 6mm)(16m/box)	TP-L06EW
	label cassette tape (yello 6mm)(16m/box)	TP-L06EY
CUTTERS	Cutters	TP-HC12E

NOTICE: The information in this document is subject to change without notice

## SPECIFICATIONS

MODEL	TP76E / TP70E
PRINTING METHOD	THERMAL TRANSFER
RESOLUTION	300dpi
CHARACTER SIZE	LABEL:1-7 TUBE:1-5
LENGTH	6-100 mm
REPEAT	1-200
PC INTERFACE	FULL SPEED, PROFESSIONAL EDITING SOFTWARE for TP76E only
PRINTING SPEED	TUBE AND TAPE:35PCS/MIN,20mm/PCS
DISPLAY	WHITE BACK LIGHT LCD DISPLAY, 2LINES EDITING IS POSSIBLE
INPUT MODES	ALPHANUMERIC, SYMBOL, ENGLISH CHARACTER
INTERNAL MEMORY	200 FILES, 200 PARAGRAPH/FILES (12,000,000 CHARACTERS MAX)
MEDIA CUTTING METHOD	AUTOMATIC HALF-CUTTING, AUTOMATIC FULL-CUTTING
FEED METHOD	AUTOMATIC FEED
TUBE	PVC TUBE $\phi$ 2.2- $\phi$ 8mm, HEAT SHRINK TUBE $\phi$ 2 $\phi$ 16mm
LABEL	EXCLUSIVE CASSETTES (WHITE,YELLOW,SILVER) WIDTH:6mm, 9mm, 12mm. LENGTH:16m
KEYBOARD	85KEY STANDARD KEYBOARD
POWER SUPPLY	AC ADAPTER(INPUT VOLTAGE: AC 100V-240V 50/60Hz) 12vDC / 3A
DIMENSIONS(L x W x H)	320mm x 280mm x 80mm
WEIGHT	6KG INCLUDING HARDCASE
OPERATING ENVIRONMENT	15°C - 40°C



IMPORTED & MARKETED BY :

**UDAY UDYOG ELECTRONICS PVT. LTD.**

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SECUNDERABAD - 500 025, TELANGANA, INDIA.

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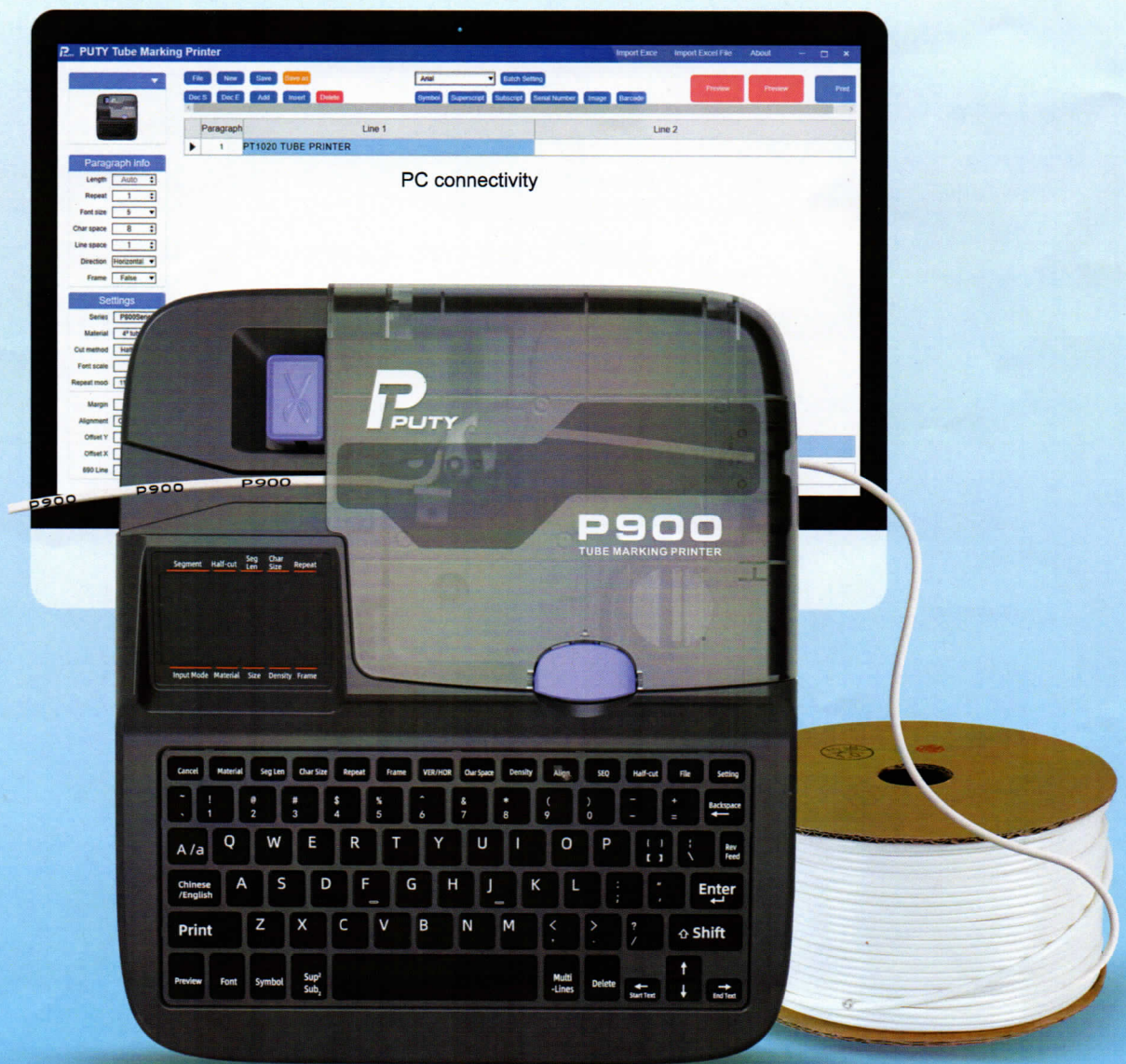
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# Tube Marking Printer

Marking Solutions for wire numbering and device labeling



**PVC Tube, Heat shrink tube, Labels, Marking strip  
All Printing in one go**

# Consumables

Color	Size	6mmx16m	9mmx16m	12mmx16m	4mmx3.5m
White		PT-906W	PT-909W	PT-912W	PT-904W
Yellow		PT-906Y	PT-909Y	PT-912Y	-
Silver		PT-906S	PT-909S	PT-912S	-



## Ribbon Cassette

Color	Size	12mmx100m
Black		PT-90B
Red		PT-90R
White		PT-90W

## Specification

**Model number :** P900

**External function :** MANUAL Operation + PC Connection

**Printing Method :** Thermal Transfer Printing

**Printing Resolution :** 300 dpi

**Print output :** Alphanumeric, Symbols, Image & Bar code

**Font Option:** Multiple Font Option

**Segment Setting :** 5 - 300mm

**PVC Tube Size :** 1.5 - 8.0 mm

**Heat Shrink Tube Size :** 1.0 - 16 mm

**Label tape Size :** 6mm/9mm/12mm

**Marking Strip :** 4mm

**Display :** White backlit screen

**Characters :**

Pinyin/English/Alphabet/number/symbol/ sub-characters.

**Keyboard :** 78 key standard keyboard

**Built-in Memory :** 100 files, 120 paragraphs (12000 characters/ par)

**Cutting Mode :** Auto Half -cutting & Manual Full-cutting

**Power Adapter :** DC 12V 3A

**Dimension (L\*W\*H) :** 283mm\*323mm\*85mm

**Weight :** 3.0 kg Including hardcase

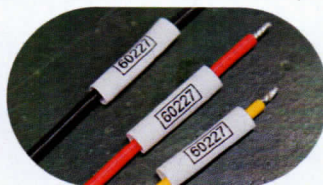
**Operating Environment :** 45°C

**Printing Speed :** Half-cut 42pcs/min  
High Speed of 125 pcs/min (Each segment of 20mm/pc)

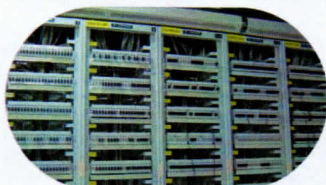
## Features

- Single print ribbon for all medium
- Automatic- Material Feed, Clean, Nip, Auto Ribbon tighten, half cut.
- Large Backlit LCD.
- Adjustable cut depth.
- Sleek Keyboard with 78-keys
- USB link with professional editing software
- Large internal storage capacity.
- One year machine warranty

## Printing Material




## Applications



Imported & Marketed by :

# 6-1-339/11, Road No 1,  
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Secunderabad - 500 025,  
Telangana, India.


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# Professional Choice for Your Marking Job

**UDAY**  <sup>®</sup>  
**UDYOG**  
ELECTRONICS (P) LTD

**P**  
**PUTY**

## TUBE MARKING PRINTER



## SPECIFICATIONS

<b>Printing Method:</b>	Thermal Transfer Printing	<b>Weight:</b>	2.8Kg (N.W), 5.95Kg (G.W)
<b>Printing Resolution:</b>	300dpi	<b>Dimension:</b>	298mm(L) x 260mm(W) x 100mm(H)
<b>Power-off Memory:</b>	Yes	<b>Silicone Keyboard:</b>	QWERTY,66 Keys
<b>Consumbles:</b>	Label Tape/ PVC Tube/ Heat Shrink Tube	<b>Power Adapter:</b>	100-240V~ 50/ 60Hz 12V ---3.0A
<b>Label Size:</b>	6-12mm	<b>Cutting Mode:</b>	Auto Half-cutting/ Manual Full-cutting
<b>Tube Size:</b>	0.5 <sup>2</sup> -8 <sup>2</sup>	<b>Display:</b>	Cold Light Screen,12 characters/ Max 2 Lines
<b>Heat Shrink Tube Size:</b>	Φ1.0-Φ8.0	<b>Feature:</b>	Unique selection printing for any paragraph printing
<b>Printing Speed:</b>	30mm/s Max 40pcs/ Min Printing 20mm labels/tubes, consecutive print mode, half-cutting	<b>Operating Environment:</b>	5°C~45°C Humidity 20%~85%(No Condensation)
		<b>Built-in Memory:</b>	Memorize max 50 files, 99 paragraphs storing space for each file

## CONSUMABLES



### Label Tape

Size Color	6mmx8m	9mmx8m	12mmx8m
White	PT-1006W	PT-1009W	PT-1012W
Yellow	PT-1006Y	PT-1009Y	PT-1012Y
Silver	PT-1006S	PT-1009S	PT-1012S



### Ribbon Cassette

Size Color	12mmx80m
White	PT-10WE
Black	PT-10BK
Red	PT-10RD

# PT-3100P

## portable & PC Connecting Label Printer

PC Connecting Explores A Bigger Label World



PC Connection



Width



Resolution



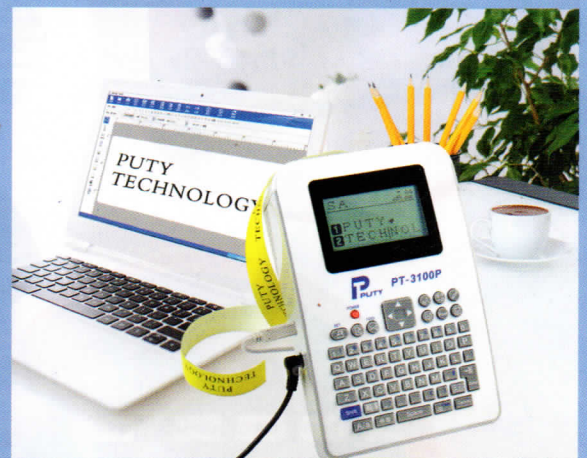
Speed



Auto Cutter



Space adjustment



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SECUNDERABAD - 500 025

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REPRESENTED BY:



# CINCON ELECTRONICS

## DC-DC CONVERTERS



**POWERING  
YOUR IDEAS**







# Railway






## DC-DC CONVERTERS

**CB**  **US** **CE** IEC/UL 62368-1 | IEC/UL 60950-1 | EN 50155: 2017 | EN 45545-2





### DIP24 Package 8W & 10W

Series	Output Power	Input Voltage	Output Voltage	Eff.	Isolation Voltage	Package / Dimension (inch)
 EC6AW	8W	9~36V, 18~75V	3.3V, 5V, 12V, 15V, ±5V, ±12V, ±15V	Up to 86%	1500Vdc	1.25x0.80x0.40 (DIP24) 1.25x0.80x0.45 (SMD24)
EC6AW-110S		43~160V				
 EC7AW18 <b>NEW</b>	10W	8.5~160V	5V, 12V, 15V, ±5V, ±12V, ±15V	Up to 86%	<b>Reinforced 3000Vac</b>	1.25x0.80x0.50 (DIP24)




### 2"x1" Package 20W & 40W

Series	Output Power	Input Voltage	Output Voltage	Eff.	Isolation Voltage	Package / Dimension (inch)
 EC7BW	20W	9~36V, 18~75V	3.3V, 5V, 12V, 15V, ±5V, ±12V, ±15V	Up to 90%	1500Vdc	2.00x1.00x0.40 (DIP)
 EC7BW-110		43~160V	5V, 12V, 15V, ±12V, ±15V		3000Vdc	
 EC7BW18 <b>NEW</b>		8.5~160V	5V, 12V, 15V, ±12V, ±15V, ±24V		<b>Reinforced 3000Vac</b>	
 ECB40W18 <b>NEW</b>	40W	43~160V	5V, 12V, 15V, 24V, 54V	Up to 89%	3000Vdc	2.00x1.00x0.50 (DIP)
 ECLB40W-110			3.3V, 5V, 12V, 15V, ±12V, ±15V, ±24V	Up to 91%		2.05x1.20x0.40 (DIP)


### Quarter Brick Package 50W-150W

Series	Output Power	Input Voltage	Output Voltage	Eff.	Isolation Voltage	Package / Dimension (inch)
 CQB50W8 <b>NEW</b>	50W	9~75V	12V, 15V, 24V, 28V, 48V	Up to 91%	<b>Reinforced 3000Vac</b>	2.28x1.45x0.50 (Quarter Brick)
CQB50W12		14~160V	5V, 12V, 24V, 48V	Up to 89%	3000Vdc	
CQB60W-110S	60W	43~160V	5V, 12V, 15V, 24V, 28V, 48V	Up to 92%	<b>Reinforced 3000Vac</b>	
 CQB75W8 <b>NEW</b>	75W	9~75V	12V, 15V, 24V, 28V, 48V	Up to 90%		
 CQB100-110S	100W	66~160V	3.3V, 5V, 12V, 24V	Up to 93%	2250Vdc	
CQB100W-110S		43~160V	5V, 12V, 15V, 24V, 28V, 48V	Up to 92%	3000Vdc	
 CQB100W14 <b>NEW</b>		12~160V	5V, 12V, 15V, 24V, 28V, 54V	Up to 89%	<b>Reinforced 3000Vac</b>	
CQB150W	150W	9~36V, 18~75V	5V, 12V, 15V, 24V, 28V, 48V	Up to 92%	2250Vdc	
CQB150W-110S		43~160V	3.3V, 5V, 12V, 15V, 24V, 28V, 48V		3000Vdc	

### Half Brick Package 100W-300W

Series	Output Power	Input Voltage	Output Voltage	Eff.	Isolation Voltage	Package / Dimension (inch)
 CHB100-110S	100W	66~160V	12V, 15V, 24V, 48V	Up to 89%	<b>Reinforced 3000Vac</b>	2.28x2.40x0.50 (Half Brick)
CHB150-110S	150W		5V, 12V, 24V	Up to 92.5%	2250Vdc	
 CHB150W12 <b>NEW</b>		14~160V	5V, 12V, 15V, 24V, 48V	Up to 91%	<b>Reinforced 3000Vac</b>	
CHB200W-110S	200W	43~160V	5V, 12V, 24V, 28V, 48V		3000Vdc	
 CHB200W12 <b>NEW</b>		14~160V	12V, 15V, 24V, 48V	Up to 90%	<b>Reinforced 3000Vac</b>	
CHB300W-110S	300W	43~160V	3.3V, 5V, 12V, 24V, 28V, 48V	Up to 91%	3000Vdc	

### Full Brick Package 600W



Series	Output Power	Input Voltage	Output Voltage	Eff.	Isolation Voltage	Package / Dimension (inch)
 CFB600W-110S	600W	43~160V	12V, 24V, 28V, 48V	Up to 88%	2250Vdc	4.60x2.40x0.50 (Full Brick)

# Railway

## DC-DC CONVERTERS

CB  CE IEC/UL 62368-1 | IEC/UL 60950-1 | EN 50155: 2017 | EN 45545-2

### Chassis Mount Module 20W-600W

	Series	Output Power	Input Voltage	Output Voltage	Eff.	Isolation Voltage	Package / Dimension (inch)
	EC7BW18-72S/D-ECRT EC7BW18-72S/D-EDRT	 20W	10~160V	5V, 12V, 15V, ±12V, ±15V, ±24V	Up to 88%	Reinforced 3000Vac	4.45x2.33x0.85 (ECRT) 4.45x2.33x1.43 (EDRT)
	CQB50W12-72SXX-CMFC(D)	 30-50W	14~160V	5V, 12V, 24V, 48V	Up to 89%	3000Vdc	4.60x2.40x1.26 (CMFC) 4.60x2.49x1.35 (CMFD)
	CQB50W8-36SXX-CMFC(D)	 50W	9.5~75V	12V, 15V, 24V, 28V, 48V	Up to 90%	Reinforced 3000Vac	4.60x2.40x1.46 (CMFC) 4.60x2.49x1.46 (CMFD)
	CQB75W8-36SXX-CMFC(D)	 75W					
	CQB100W-110SXX-CMFC(D)	 100W	43~160V	5V, 12V, 15V, 24V, 28V, 48V	Up to 91%	3000Vdc	4.60x2.40x1.26 (CMFC) 4.60x2.49x1.35 (CMFD)
	CQB150W-110SXX-CMFC(D)	150W		3.3V, 5V, 12V, 15V, 24V, 28V, 48V			
	CHB200W-110SXX-CMFC(D)	 200W		5V, 12V, 24V, 28V, 48V	Up to 90.5%		6.50x3.00x1.52 (CMFC) 6.50x3.09x1.57 (CMFD)
	CHB300W-110SXX-CMFC(D)	300W	3.3V, 5V, 12V, 24V, 28V, 48V				
	CFB600W-110SXX CMFD	600W		12V, 24V, 28V, 48V	Up to 88%	2250Vdc	9.45x4.33x1.65 (CMFD)





## Featured

### DC-DC CONVERTERS





CB  CE IEC/UL 62368-1 | IEC/UL 60950-1

### Ultra-wide Input Range 20W-200W



#### 8:1 Input Range

	Series	Output Power	Input Voltage	Output Voltage	Eff.	Isolation Voltage	Package / Dimension (inch)
	CQB50W8	 50W	9~75V	12V, 15V, 24V, 28V, 48V	Up to 91%	Reinforced 3000Vac	2.28x1.45x0.50 (Quarter Brick)
	CQB75W8	 75W					
	CHB150W8	150W			Up to 90%	1500Vdc	2.28x2.40x0.50 (Half Brick)


#### 12:1 Input Range

	Series	Output Power	Input Voltage	Output Voltage	Eff.	Isolation Voltage	Package / Dimension (inch)
	CQB50W12	50W	14~160V	5V, 12V, 24V, 48V	Up to 89%	3000Vdc	2.28x1.45x0.50 (Quarter Brick)
	CHB150W12	 150W		5V, 12V, 15V, 24V, 48V	Up to 90%	Reinforced 3000Vac	2.28x2.40x0.50 (Half Brick)
	CHB200W12	 200W		12V, 15V, 24V, 48V			

#### 14:1 Input Range

	Series	Output Power	Input Voltage	Output Voltage	Eff.	Isolation Voltage	Package / Dimension (inch)
	CQB100W14	 100W	12~160V	5V, 12V, 15V, 24V, 28V, 54V	Up to 89%	Reinforced 3000Vac	2.28x1.45x0.50 (Quarter Brick)

#### 18:1 Input Range

	Series	Output Power	Input Voltage	Output Voltage	Eff.	Isolation Voltage	Package / Dimension (inch)
	EC7AW18	 10W	8.5~160V	5V, 12V, 15V, ±5V, ±12V, ±15V	Up to 86%	Reinforced 3000Vac	1.25x0.80x0.50 (DIP24)
	EC7BW18	 20W		5V, 12V, 15V, ±12V, ±15V, ±24V	Up to 90%		2.00x1.00x0.40 (DIP)
	EC7CW18	 40W		5V, 12V, 15V, 24V, 48V	Up to 88%		2.00x1.00x0.50 (DIP)



# Industrial

## DC-DC CONVERTERS







CB  CE IEC/UL 62368-1 | IEC/UL 60950-1



### Non-isolated DC-DC Converter 0.666A-5A

Series	Output Power	Input Voltage	Output Voltage	Eff.	Package / Dimension (inch)
 EC5A	0.666~2A	4.7~6V, 9~32V, 16~32V, 19~32V	3.3V, 5V, 12V, 15V	Up to 94%	1.25x0.80x0.40 (DIP) 1.25x0.80x0.45 (SMD)
 SMT05-12	5A	8.3~14V	0.75~5V	Up to 92%	0.80x0.450x0.24







### SIP Package 1W-2W Unregulated

Series	Output Power	Input Voltage	Output Voltage	Eff.	Isolation Voltage	Package / Dimension (inch)
 EC1TAN	1W	4.5~5.5V, 10.8~13.2V, 21.6~26.4V	5V, 12V, 15V	Up to 82%	1000Vdc	0.46x0.24x0.40 (SIP4) 0.46x0.30x0.40 (SIP4)
 EC1SAN			5V, 12V, 15V, ±5V, ±12V, ±15V	Up to 83%	1500Vdc	0.77x0.24x0.40 (SIP7) 0.77x0.28x0.40 (SIP7-24Vin) 0.54x0.36x0.29 (SMD-Single) 0.64x0.36x0.29 (SMD-Dual)
 EC2SAN				Up to 86%	1000Vdc	0.77x0.28x0.40(SIP7)
 EC2SANH <b>NEW</b>	2W			Up to 88%	3000Vdc	

### SIP Package 2W-10W Regulated

Series	Output Power	Input Voltage	Output Voltage	Eff.	Isolation Voltage	Package / Dimension (inch)
	EC2SA	4.5~6V, 9~18V, 18~36V, 36~75V	3.3V, 5V, 12V, 15V, ±5V, ±12V, ±15V	Up to 84%	1500Vdc	0.86x0.36x0.44 (SIP8)
	EC3SA			Up to 86%		
	EC3SAW <b>NEW</b>			Up to 85%		
	EC3SAWH <b>NEW</b>			Up to 85%	3000Vdc	
	EC4SAW <b>NEW</b>			Up to 89%	1500Vdc	
EC4SAWH <b>NEW</b>	6W	9~36V, 18~75V		Up to 89%	3000Vdc	
 EC5SAW	10W		3.3V, 5V, 12V, 15V, ±5V, ±12V, ±15V	Up to 89.5%	3000Vdc	0.87x0.37x0.47 (SIP8)

### DIP24 / SMD24 Package 3W-15W


Series	Output Power	Input Voltage	Output Voltage	Eff.	Isolation Voltage	Package / Dimension (inch)	
	EC3A	4.5~6V, 9~18V, 18~36V, 36~72V	3.3V, 5V, 12V, 15V, ±5V, ±12V, ±15V	Up to 82%	500Vdc 1500Vdc 3000Vdc	1.25x0.80x0.40 (DIP24) 1.25x0.80x0.45 (SMD24)	
	EC3AB			Up to 80%		1.25x0.80x0.50 (DIP24) 1.25x0.80x0.55 (SMD24)	
	EC3A-E			Up to 87%		1.25x0.80x0.40 (DIP24) 1.25x0.80x0.45 (SMD24) 1.25x0.80x0.41 (SMD24)	
	EC3AW			Up to 77%			
 EC3AE		5V, 12V, 24V, 28V, 48V	5V, 12V, 15V, ±12V, ±15V	Up to 61%	500Vdc	1.25x0.80x0.40 (DIP24) 1.25x0.80x0.45 (SMD24)	
	EC4A	9~18V, 18~36V, 36~72V	3.3V, 5V, 12V, 15V, ±5V, ±12V, ±15V	Up to 84%	500Vdc 1500Vdc 3000Vdc	1.25x0.80x0.50 (DIP24) 1.25x0.80x0.55 (SMD24)	
	EC4AB			Up to 87%		1.25x0.80x0.40 (DIP24) 1.25x0.80x0.45 (SMD24) 1.25x0.80x0.41 (SMD24)	
	EC4A-E					1500Vdc 3000Vdc	1.25x0.80x0.40 (DIP24) 1.25x0.80x0.45 (SMD24)
	EC4AW			Up to 83%			
	EC4AW-H6			5-6W	9~36V, 18~72V	5V, 12V, +/-12V, +/-15V	Up to 85%
	EC6A	7.5W	9~18V, 18~36V, 36~72V	Up to 87%	1500Vdc	1.25x0.80x0.40 (DIP24) 1.25x0.80x0.45 (SMD24)	
	EC6AW	8W	9~36V, 18~75V	Up to 86%			
 EC6AW-110			43~160V	Up to 88.5%	3000Vdc	1.25x0.80x0.50 (DIP24)	
	EC7A	10W	2.5V, 3.3V, 5V, 12V, 15V, ±12V, ±15V	Up to 89%	1500Vdc	1.25x0.80x0.40 (DIP24) 1.25x0.80x0.45 (SMD24)	
	EC7AW <b>NEW</b>			Up to 89%		3000Vdc	1.25x0.80x0.40 (DIP24)
	EC7AW18 <b>NEW</b>			Up to 86%		Reinforced 3000Vac	1.25x0.80x0.50 (DIP24)
EC8AW	15W	9~36V, 18~75V	3.3V, 5V, 12V, 15V, ±12V, ±15V	Up to 89%	1500Vdc	1.25x0.80x0.40 (DIP24)	

# Industrial

## DC-DC CONVERTERS

CB   IEC/UL 62368-1 | IEC/UL 60950-1

### 1"x1" Package 10W-30W

Series	Output Power	Input Voltage	Output Voltage	Eff.	Isolation Voltage	Package / Dimension (inch)	
	EC2SB	4.7~9V, 9~18V, 18~36V, 36~75V	3.3V, 5V, 12V, 15V, ±5V, ±12V, ±15V	Up to 87%	1500Vdc	1.00x1.00x0.40 (DIP) 1.00x1.00x0.36 (SMD)	
	EC2SBW	9~36V, 18~75V		Up to 86%		1.00x1.00x0.40 (DIP)	
	EC3SB	9~18V, 18~36V, 36~75V		Up to 90%		1.00x1.00x0.40 (DIP) 1.00x1.00x0.36 (SMD)	
	EC3SBW			Up to 88%			
	EC4SBW	20W		9~36V, 18~75V		Up to 90.5%	1.00x1.00x0.40 (DIP)
	EC5SBW	30W				Up to 90%	

### 2"x1" Package 10W-75W

Series	Output Power	Input Voltage	Output Voltage	Eff.	Isolation Voltage	Package / Dimension (inch)
	EC4BE	9~18V, 18~36V, 36~72V	5V, 12V, 15V, ±5V, ±12V, ±15V	Up to 82%	500Vdc	2.00x1.00x0.40 (DIP)
	EC4BU	4.7~9V, 9~18V, 18~36V, 36~75V		Up to 87%	1500Vdc	
	EC4BW	9~36V, 18~72V		Up to 82%	500Vdc	
	EC5BU	9~18V, 18~36V, 36~75V	3.3V, 5V, 12V, 15V, ±5V, ±12V, ±15V	Up to 90%	1500Vdc	
	EC5BE	9~18V, 18~36V, 36~72V		Up to 83%	500Vdc	
	EC5BW	9~36V, 18~75V		Up to 88%		
	EC7B	9~18V, 18~36V, 36~75V	1.8V, 2.5V, 3.3V, 5V, 12V, 15V, ±12V, ±15V	Up to 90%	1500Vdc	
	EC7BW	9~36V, 18~75V			3.3V, 5V, 12V, 15V, ±5V, ±12V, ±15V	
	EC7BW-110	43~160V	5V, 12V, 15V, ±12V, ±15V		3000Vdc	
	EC7BW18 <b>NEW</b>	8.5~160V	5V, 12V, 15V, ±12V, ±15V, ±24V		Reinforced 3000Vac	
	EC9BW	30W	9~36V, 18~75V	3.3V, 5V, 12V, 15V, ±12V, ±15V	Up to 92%	1500Vdc
	ECB40W18 <b>NEW</b>	8.5~160V	5V, 12V, 15V, 24V, 54V	Up to 89%	Reinforced 3000Vac	2.00x1.00x0.50 (DIP)
	ECLB40W	40W	9~36V, 18~75V	3.3V, 5V, 12V, 15V, ±12V, ±15V	Up to 91%	1500Vdc
	ECLB40W-110	43~160V	3.3V, 5V, 12V, 15V, ±12V, ±15V, ±24V			3000Vdc
	ECLB60W	60W	9~36V, 18~75V	3.3V, 5V, 12V, 15V, ±12V, ±15V	Up to 92%	1500Vdc
	ECLB75W <b>NEW</b>	75W	9~36V, 18~75V	5V, 12V, 15V, ±12V, ±15V, ±24V	Up to 92.5%	2250Vdc

# Industrial

## DC-DC CONVERTERS



CB c US IEC/UL 62368-1 | IEC/UL 60950-1

### 2"x1.6" & 2"x2" Package 15W-40W

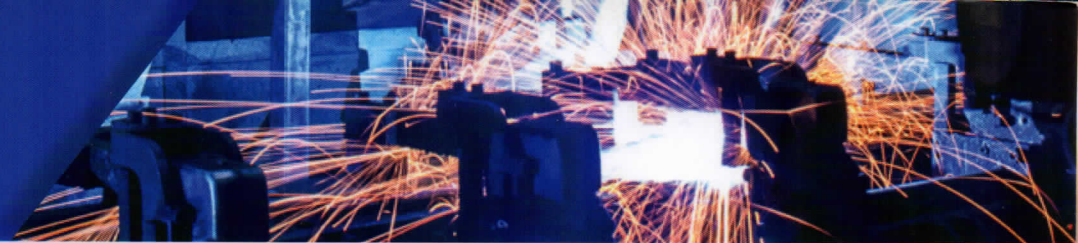
Series	Output Power	Input Voltage	Output Voltage	Eff.	Isolation Voltage	Package / Dimension (inch)
EC5C	15W	9~36V, 18~72V	3.3V, 5V, 12V, 15V, 5/±12V, 5/±15V, ±5V, ±12V, ±15V	Up to 84%	500Vdc	2.00x2.00x0.40 (DIP)
EC1SC	20W		3.3V, 5V, 12V, 15V, ±5V, ±12V, ±15V		1500Vdc	2.00x1.60x0.45 (DIP)
EC6C	30W	9~18V, 18~36V, 36~72V	3.3V, 5V, 12V, 15V, 5/±12V, 5/±15V, ±5V, ±12V, ±15V	Up to 88%	500Vdc	2.00x2.00x0.40 (DIP)
EC7C	40W	9~18V, 18~36V, 36~75V	2.5V, 3.3V, 5V, 12V, 15V, 3.3/5V, 3.3/±12V, 3.3/±15V, 5/±12V, 5/±15V, ±12V, ±15V	Up to 93%	1500Vdc	

### Quarter Brick Package 50W-200W

Series	Output Power	Input Voltage	Output Voltage	Eff.	Isolation Voltage	Package / Dimension (inch)
CQE50W	50W	9~36V, 18~75V	3.3V, 5V, 12V, 15V, 24V, 48V	Up to 92%	1500Vdc	2.28x1.45x0.50 (Quarter Brick)
CQB50W8 <b>NEW</b>		9~75V	12V, 15V, 24V, 28V, 48V	Up to 91%	Reinforced 3000Vac	
CQB50W12		14~160V	5V, 12V, 24V, 48V	Up to 89%	3000Vdc	
CQB60W-110S	60W	43~160V	5V, 12V, 15V, 24V, 28V, 48V	Up to 92%	3000Vdc	
CQB75W	75W	9~36V, 18~75V	3.3V, 5V, 12V, 15V, 24V	Up to 87%	1500Vdc	
CQB75W8 <b>NEW</b>		9~75V	12V, 15V, 24V, 28V, 48V	Up to 90%	Reinforced 3000Vac	
CQB75-300S <b>NEW</b>		180~425V	3.3V, 5V, 12V, 15V, 24V, 48V			
CQB100-110S	100W	66~160V	3.3V, 5V, 12V, 24V	Up to 93%	2250Vdc	
CQB100W		9~36V, 18~75V	3.3V, 5V, 12V, 15V, 24V	Up to 88%	1500Vdc	
CQB100W-110S		43~160V	5V, 12V, 15V, 24V, 28V, 48V	Up to 92%	3000Vdc	
CQB100W 14 <b>NEW</b>		12~160V	5V, 12V, 15V, 24V, 28V, 54V	Up to 89%	Reinforced 3000Vac	
CQB150-300S		180~425V	5V, 12V, 15V, 24V, 28V, 48V			
CQB150W	150W	9~36V, 18~75V	5V, 12V, 15V, 24V, 28V, 48V		2250Vdc	
CQB150W-110S	150W	43~160V	3.3V, 5V, 12V, 15V, 24V, 28V, 48V	Up to 92%	3000Vdc	
CQB200 <b>NEW</b>		200W	18~36V	24V, 28V		2250Vdc

# Industrial

## DC-DC CONVERTERS





CB   IEC/UL 62368-1 | IEC/UL 60950-1




### Half Brick Package 50W-350W

Series	Output Power	Input Voltage	Output Voltage	Eff.	Isolation Voltage	Package / Dimension (inch)	
	CHB50	50W	9~18V, 18~36V, 36~75V	3.3V, 5V, 12V, 15V, 24V	Up to 89%	1500Vdc	2.28x2.40x0.50 (Half Brick)
	CHB50W		9~36V, 18~75V	3.3V, 5V, 12V, 15V, 24V, 28V, 48V	Up to 87%		
	CHB75	75W	9~18V, 18~36V, 36~75V	3.3V, 5V, 12V, 15V, 24V	Up to 89%		
	CHB75W		9~36V, 18~75V	3.3V, 5V, 12V, 15V, 24V, 28V, 48V	Up to 85%		
	CHB100	100W	18~36V, 36~75V	3.3V, 5V, 12V, 15V, 24V	Up to 89%		
	CHB100W		9~36V, 18~75V	3.3V, 5V, 12V, 15V, 24V, 28V, 48V			
	CHB150	150W	36~75V	3.3V, 5V, 12V, 15V, 24V			
	CHB100-110S	100W	66~160V	12V, 15V, 24V, 48V	Up to 89%	Reinforced 3000Vac	2.28x2.40x0.50 (Half Brick)
	CHB150-110S	150W		5V, 12V, 24V	Up to 92.5%	2250Vdc	
	CHB150W		9~36V, 18~75V	3.3V, 5V, 12V, 15V, 24V, 28V, 48V	Up to 91%	1500Vdc	2.28x2.40x0.52 (Half Brick)
	CHB150W8		9~75V	12V, 15V, 24V, 28V, 48V	Up to 90%		2.28x2.40x0.50 (Half Brick)
	CHB150W12 		14~160V	5V, 12V, 15V, 24V, 48V	Up to 91%	Reinforced 3000Vac	
	CHB200W-110S	200W	43~160V	5V, 12V, 24V, 28V, 48V		3000Vdc	2.28x2.40x0.50 (Half Brick)
	CHB200W		10~36V, 18~75V	3.3V, 5V, 12V, 15V, 24V, 28V, 48V	Up to 89%	1500Vdc	2.28x2.40x0.52 (Half Brick)
	CHB200W12 		14~160V	12V, 15V, 24V, 48V	Up to 90%		
	CHB300-300S	300W	180~425V	5V, 12V, 24V, 28V, 48V	Up to 90%	Reinforced 3000Vac	2.28x2.40x0.50 (Half Brick)
	CHB300W-110S		43~160V	3.3V, 5V, 12V, 24V, 28V, 48V	Up to 91%	3000Vdc	
	CHB300W		9~36V, 18~75V	5V, 12V, 15V, 24V, 28V, 48V	Up to 92%		
	CHB350		350W	18~36V, 36~75V	3.3V, 5V, 12V, 24V, 28V, 48V	Up to 92.5%	
















### Full Brick Package 400W-800W

Series	Output Power	Input Voltage	Output Voltage	Eff.	Isolation Voltage	Package / Dimension (inch)	
	CFB400W	400W	9~36V, 18~75V	5V, 12V, 24V, 28V, 48V	Up to 90%	1500Vdc	4.60x2.40x0.50 (Full Brick)
	CFB600	600W	18~36V, 36~75V	12V, 24V, 28V, 32V, 48V	Up to 92%		
	CFB600-300S		180~425V	12V, 24V, 48V	Up to 91%	Reinforced 3000Vac	
	CFB600W-110S		43~160V	12V, 24V, 28V, 48V	Up to 88%	2250Vdc	
	CFB750-300S		750W	200~425V	12V, 15V, 24V, 28V, 36V, 48V	Up to 91%	
	CFB800 	800W	18~36V	28V	Up to 90%	1500Vdc	





## High Input Voltage 75W-750W

Series	Output Power	Input Voltage	Output Voltage	Eff.	Isolation Voltage	Package / Dimension (inch)
 CQB75-300S <b>NEW</b>	75W	180~425V	3.3V, 5V, 12V, 15V, 24V, 48V	Up to 90%	<b>Reinforced 3000Vac</b>	2.28x1.45x0.50 (Quarter Brick)
CQB150-300S	150W		5V, 12V, 15V, 24V, 28V, 48V	Up to 89%		
 CHB300-300S	300W		5V, 12V, 24V, 28V, 48V	Up to 90%		
 CFB600-300S	600W		12V, 24V, 48V	Up to 91%		
CFB750-300S	750W	200~425V	12V, 15V, 24V, 28V, 36V, 48V		4.60x2.40x0.50 (Full Brick)	

## Chassis Mount / Din Rail 20W-750W

Series	Output Power	Input Voltage	Output Voltage	Eff.	Isolation Voltage	Package / Dimension (inch)
 EC7BW18-72S/D-ECRT <b>NEW</b>	20W	10~160V	5V, 12V, 15V, ±12V, ±15V, ±24V	Up to 88%	<b>Reinforced 3000Vac</b>	4.45x2.33x0.85 (ECRT) 4.45x2.33x1.43 (EDRT)
 CQB50W12-72SXX-CMFC(D)	30-50W	14~160V	5V, 12V, 24V, 48V	Up to 89%	3000Vdc	4.60x2.40x1.26 (CMFC) 4.60x2.49x1.35 (CMFD)
 CQB50W8-36SXX-CMFC(D) <b>NEW</b>	50W	9.5~75V	12V, 15V, 24V, 28V, 48V	Up to 90%	<b>Reinforced 3000Vac</b>	4.60x2.40x1.46 (CMFC) 4.60x2.49x1.46 (CMFD)
 CQB75W8-36SXX-CMFC(D) <b>NEW</b>						
 CQB75-300SXX-CMFC(D) <b>NEW</b>						
 CHB/CHE50-100W-CM/DIN	33-100W	9~36V, 18~75V	3.3V, 5V, 12V, 15V, 24V, 28V, 48V	Up to 93%	1500Vdc	4.61x2.54x1.03
 CQB100W-110SXX-CMFC(D) <b>NEW</b>	100W	43~160V	5V, 12V, 15V, 24V, 28V, 48V	Up to 91%	3000Vdc	4.60x2.40x1.26 (CMFC) 4.60x2.49x1.35 (CMFD)
 CQB/CQE50-150W-CM/DIN	33-150W	9~36V, 18~75V, 43~160V, 66~160V	3.3V, 5V, 12V, 15V, 24V, 28V, 48V	Up to 92%	1500Vdc 2250Vdc 3000Vdc	4.41x1.57x1.98
 CQB150-300SXX-CMFC(D)	150W	180~425V	5V, 12V, 15V, 24V, 28V, 48V	Up to 89%	<b>Reinforced 3000Vac</b>	4.60x2.40x1.26 (CMFC) 4.60x2.49x1.35 (CMFD)
 CQB150W-110SXX-CMFC(D)			3.3V, 5V, 12V, 15V, 24V, 28V, 48V	Up to 91%		
 CHB200W-110SXX-CMFC(D) <b>NEW</b>	200W	43~160V	5V, 12V, 24V, 28V, 48V	Up to 90.5%	3000Vdc	6.50x3.00x1.52 (CMFC) 6.50x3.09x1.57 (CMFD)
 CHB300-300SXX-CMFC(D)	300W	180~425V	5V, 12V, 24V, 28V, 48V	Up to 90%	<b>Reinforced 3000Vac</b>	6.50x3.00x1.52 (CMFC) 6.50x3.09x1.57 (CMFD)
 CHB300W-110SXX-CMFC(D)			3.3V, 5V, 12V, 24V, 28V, 48V	Up to 90.5%		
 CFB600W-110SXX-CMFD	600W	43~160V	12V, 24V, 28V, 48V	Up to 88%	2250Vdc	9.45x4.33x1.65
 CFB750-300SXX-CMFD <b>NEW</b>	750W	200~425V	12V, 15V, 24V, 28V, 36V, 48V	Up to 90%	<b>Reinforced 3000Vac</b>	

## EMI Filter

Series	Output Power	Input Voltage	Feature	Package / Dimension (inch)
 FM05D	5A	200V	Input 200V Max.	2.28x1.45x0.50
 FM10D	10A			2.28x2.40x0.97
 FM10/20	10A / 20A	75V	Input 75V Max.	2.00x1.00x0.46 2.00x1.60x0.50
 FM30R	30A	80V	Input 80V Max.	2.28x1.45x0.50

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