

Non-isolated DC-DC Converter

Compact Size, Full-load Efficiency > 90%

Die Cast Housing & Epoxy Resin Sealing, Waterproof

Low Cost & Long Life Circuit Design

Customize Solution Available



A size

CPT/Fulree is a low cost series designed for common usage in low voltage range (3~56VDC). It is a cost effective solution for GPS, LED lights, phones & pads etc.

A case (46x27x14 mm)

B case (46x32x18 mm)

Both size can add USB or other DC plug for output

Customize solution available with CPT/Fulree Series:
input and output voltage between 5VDC ~ 56VDC
Output power < 50W



B size



Input Characteristic

Default Input Voltage Range* :

CPT:

12V = 8-20VDC

12/24V = 8~35VDC

Fulree:

12V = 8-20VDC

12/24V = 8~35VDC

12/24/36/48V = 8~55VDC

Input Reverse Protection:

CPT NOT implemented by default

Fulree some have this function **

Output Characteristic

Full-load Efficiency: 90~94%***
Ripple p-p: 1% of output voltage (MAX)
Load Regulation: 1.5%
Max Non-load Consumption: 0.5% of full-load power
Over-load Protection: +10% of rated output current
(over-load will damage this converter)
Short-circuit Protection: yes

Other info

Allowed Case Temperature: -10°C ~ 75°C
Storage Temperature: -20°C ~ 80°C
Storage Humidity: 20~90%
Weight:
A Case: 50~70g
B Case: 70~100g

* Input range can be customized, the range listed is for standard types. Input range is not always the same for different models

** Can implement in customize products

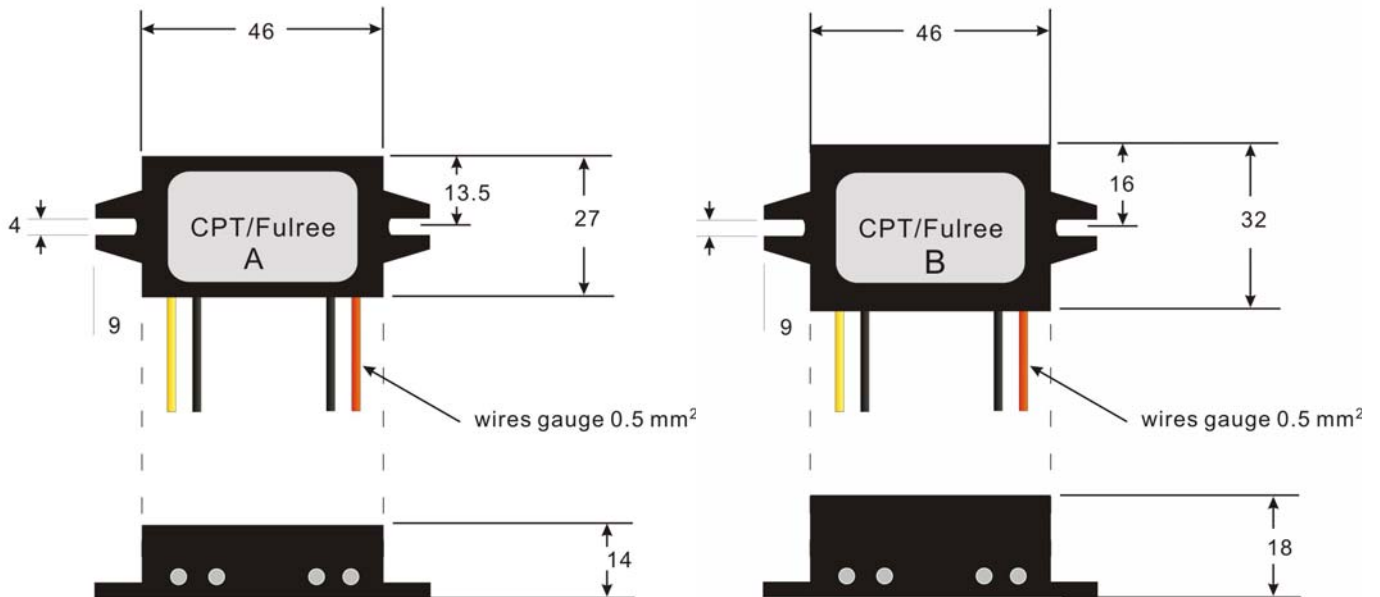
*** Not every model can achieve 94% efficiency.

There are too many types to be listed on this page. Please contact us: sales@current-logic.com for the input/ouput you need

Example:

Input: 12V (8~20VDC)	Output: 5V	Output Power: 3A	CPT 120503
Input: 12/24/36/48 (8-55VDC)	Output: 3.3V	Output Power: 3A	Fulree 600303
Input: 12/24/36/48 (8-55VDC)	Output: 5V	Output Power: 3A	Fulree 600503

Dimensions:



Unit: mm

NOTE: Because the case was not produced by us. The size may change slightly by case manufactures. If you need exactly the same size, please contact before ordering.