

# CYFD300 CYFD400 Series

## DC-DC CONVERTER



### General Characteristics

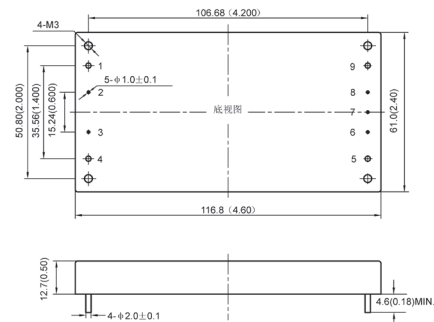
- Full Brick Industry Standard Footprint
- 2:1 Input Voltage Range
- Operating Baseplate Temperature  $-40\sim+100^{\circ}\text{C}$
- I/O-isolation 1500Vdc
- Output Short-circuit Protection, Self recovery
- Remote On/Off Control



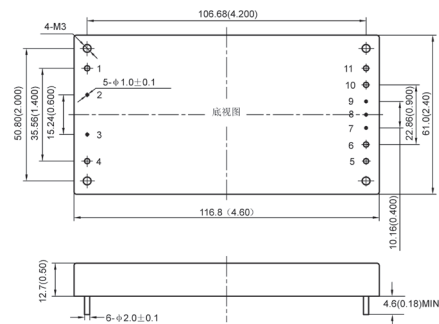
### Model Selection Guide

| Product Model | Input Voltage Range (Typical) | Output Voltage (Vdc) | Output Current (A) | Efficiency (%) |
|---------------|-------------------------------|----------------------|--------------------|----------------|
| CYFD300-24S05 | 18~36<br>(24Vdc)              | 5                    | 60                 | 85             |
| CYFD300-24S12 |                               | 12                   | 25                 | 86             |
| CYFD300-24S15 |                               | 15                   | 20                 | 87             |
| CYFD300-24S24 |                               | 24                   | 12.5               | 88             |
| CYFD300-24S28 |                               | 28                   | 10.7               | 88             |
| CYFD300-24S48 |                               | 48                   | 6.25               | 86             |
| CYFD400-24S05 |                               | 5                    | 80                 | 84             |
| CYFD400-24S12 |                               | 12                   | 33.3               | 86             |
| CYFD400-24S15 |                               | 15                   | 26.7               | 87             |
| CYFD400-24S24 |                               | 24                   | 16.7               | 88             |
| CYFD300-48S05 | 36~72<br>(48Vdc)              | 5                    | 60                 | 87             |
| CYFD300-48S12 |                               | 12                   | 25                 | 88             |
| CYFD300-48S15 |                               | 15                   | 20                 | 88             |
| CYFD300-48S24 |                               | 24                   | 12.5               | 88             |
| CYFD300-48S28 |                               | 28                   | 10.7               | 88             |
| CYFD300-48S48 |                               | 48                   | 6.25               | 87             |
| CYFD400-48S05 |                               | 5                    | 80                 | 85             |
| CYFD400-48S12 |                               | 12                   | 33.3               | 86             |
| CYFD400-48S15 |                               | 15                   | 26.7               | 87             |
| CYFD400-48S24 |                               | 24                   | 16.7               | 92             |
| CYFD400-48S28 |                               | 28                   | 14.3               | 92             |
| CYFD400-48S48 |                               | 48                   | 8.33               | 92             |

Output voltage more than 5V



Output voltage less than 5V(include 5V)



| Pin Out | More than 5V | Less than 5V(include 5V) |
|---------|--------------|--------------------------|
| 1       | -Vin         | -Vin                     |
| 2       | CASE         | CASE                     |
| 3       | CNT          | CNT                      |
| 4       | +Vin         | +Vin                     |
| 5       | +Vo          | +Vo                      |
| 6       | +S           | +Vo                      |
| 7       | TRIM         | +S                       |
| 8       | -S           | TRIM                     |
| 9       | -Vo          | -S                       |
| 10      | -            | -Vo                      |
| 11      | -            | -Vo                      |

CYFD300-400 Series products are controlled by positive logic signal. If the negative logic control is preferred, the suffix "P" should be added to the part no. , such as CYFD300-48S05P