

# EXCELLENT POWER

## EPD-146 mother board DC/DC switching power supplies

### ELECTRICAL SPECIFICATIONS :

#### INPUT

Input voltage : 15-24V

Input Frequency : DC

Input power : 150W

Efficiency : >80% at Full Load

#### OUTPUT

Output Power : 135W max. at convection cooling

Output Voltage : see rating chart

Output current : see rating chart

Line Regulation : 1%

Load Regulation : 5%

Ripple & Noise : 2% for 5VSB/-12V, 1% for other

#### PROTECTION

Over Voltage Protection : 110% for 3.3V/5V

Short circuit Protection : 3.3V & 5V

Over current Protection : 3.3V & 5V

EMI/RFI:Meets limits

FCC part 15 CLASS B .

CISPR 22 CLASS B .

DIMENSION : 146X45X22mm

APPLICATION : For mini. PC/LCD PC mother board

#### Model Rating Table :

| Model No. | Output Voltage |     |     |      | 5VSB | Power OK        | PS-ON   |
|-----------|----------------|-----|-----|------|------|-----------------|---------|
|           | 3.3V           | 5V  | 12V | -12V |      |                 |         |
| EPD-146-1 | 7A             | 7A  | 8A  | 0.2A | 2A   | 3.3V/5V normal  | TTL Low |
| EPD-146-2 | 7A             | 14A | 8A  | 0.2A | 2A   | 3.3V/5V normal  | TTL Low |
| EPD-146-3 | 7A             | 7A  | 8A  | 0.2A | 2A   | delay 100-500mS | TTL Low |
| EPD-146-4 | 7A             | 14A | 8A  | 0.2A | 2A   | delay 100-500mS | TTL Low |
|           |                |     |     |      |      |                 |         |
|           |                |     |     |      |      |                 |         |



Input Connector CN1 : Molex 3.96 4P male

Output Connector :

CN2-ATX 4.2 20P FEMALE HEADER

CN3/CN4 : 2.0 2P HEADER(+5V)

CN5 : 2.54 4P HEADER(+5&+12)