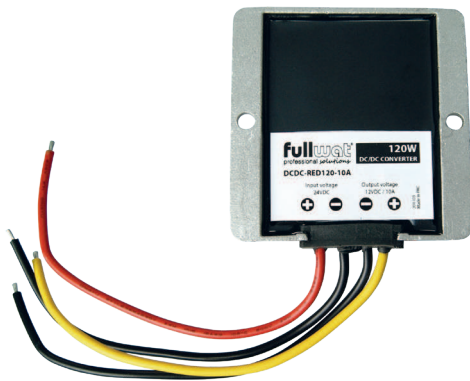


## DCDC-RED120-10A

**120W** high-performance switching buck module

### Features

- Design meeting RoHS / CE.
- High efficiency: 97% (@ 24V input).
- Non-isolated between input and output.
- Internal capacitor: NCC & NICHICON (high reliability).
- 100% full load burn-in test.
- Over voltage, Over load, Over temperature protections.
- Waterproof level IP67 .
- 1 year warranty.



### Applications

- Trucks
- Forklifts
- Buses
- Logging Vehicles
- Electromotor
- Telecommunications
- Boat & Yacht
- LED Marketplaces and so on...

### Specifications

| Model No. | DCDC12-EL360-15A        |     |                    |
|-----------|-------------------------|-----|--------------------|
| Input     | Rated voltage           | V   | 24                 |
|           | Voltage range           | V   | 18-36              |
|           | Efficiency (type)       | %   | 97%@24V input      |
|           | Positive cable (red)    | AWG | 16@16.5cm length   |
|           | Negative cable (black)  | AWG | 16 @ 16.5cm length |
| Output    | Voltage                 | V   | 12                 |
|           | Max. rated current      | A   | 10                 |
|           | Max. rated power        | W   | 120                |
|           | Voltage regulation      | %   | ±1                 |
|           | Load regulation         | %   | 2                  |
|           | No load loss            | W   | 0.5                |
|           | Ripple & noise          | mV  | 100                |
|           | Positive cable (yellow) | AWG | 16 @ 16.5cm length |
|           | Negative cable (black)  | AWG | 16 @ 16.5cm length |

## DCDC-RED120-10A

**120W** high-performance switching buck module

### Specifications

| Model No.   | DCDC12-EL360-15A            |    |                     |
|-------------|-----------------------------|----|---------------------|
| Environment | Working temperature         | °C | -35~+80             |
|             | Working humidity            | RH | 10%~90%             |
|             | Storage temperature         | °C | -40~+85             |
| Function    | Short circuit protection    |    | YES                 |
|             | Over load protection        |    | YES                 |
|             | Waterproof                  |    | IP67                |
|             | Over temperature protection |    | YES                 |
|             | Over voltage protection     |    | YES                 |
| Mechanical  | Weight                      | g  | 265                 |
|             | Size                        | mm | 74*74*32            |
| Other       | Cooling                     |    | Free air convection |
|             | Packaging                   |    | White box           |

### Dimensions

Shell installation diagram

Thickness: 32mm

