

| Input voltage | Output voltage | Output current | Output power | Efficiency | Size       |
|---------------|----------------|----------------|--------------|------------|------------|
| 9-23V DC      | 24V DC         | 10 Amps        | 240 Watts    | 92%        | 74*74*32mm |



### Features

- Design meeting RoHS / CE
- High efficiency: 92% ( @ 12V input )
- Non-isolated between input and output
- Internal capacitor: NCC & NICHICON (high reliability)
- 100% full load burn-in test
- Over load, Over temperature and Over voltage protections
- Waterproof level IP68
- 1 Year warranty

### Applications

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

### Model naming method

**WG-12S2410**



### Specifications

| Model       | WG-12S2410                  |     |                     |
|-------------|-----------------------------|-----|---------------------|
| Input       | Rated voltage               | V   | 12                  |
|             | Voltage range               | V   | 9-23                |
|             | Efficiency (type)           | %   | 92 @ 12V input      |
|             | Positive cable (red)        | AWG | 14 @ 15cm length    |
|             | Negative cable (black)      | AWG | 14 @ 15cm length    |
| Output      | Voltage                     | V   | 24                  |
|             | Max. rated current          | A   | 10                  |
|             | Max. rated power            | W   | 240                 |
|             | Voltage regulation          | %   | ±1                  |
|             | Load regulation             | %   | 2                   |
|             | No load loss                | mA  | 28 @ 12V input      |
|             | Ripple & noise              | mV  | 160 (full load)     |
|             | Positive cable (yellow)     | AWG | 16 @ 15cm length    |
|             | Negative cable (black)      | AWG | 16 @ 15cm length    |
| Environment | Working temperature         | °c  | -40 ~ +80           |
|             | Working humidity            | RH  | 10% ~ 90%           |
|             | Storage temperature         | °c  | -40 ~ +100          |
| Function    | Short circuit protection    |     | NO                  |
|             | Over current protection     | A   | @ 12~15A            |
|             | Waterproof                  |     | IP68                |
|             | Over temperature protection |     | YES                 |
|             | Over voltage protection     |     | YES                 |
| Mechanical  | Weight                      | g   | 280                 |
|             | Size                        | mm  | 74*74*32            |
| Other       | Cooling                     |     | Free air convection |
|             | Packaging                   |     | White box           |

### Dimension

