

| Input voltage | Output voltage | Output current | Output power | Efficiency | Size       |
|---------------|----------------|----------------|--------------|------------|------------|
| 18-36V DC     | 12V DC         | 15 Amps        | 180 Watts    | 96%        | 74*74*32mm |



### Features

- Design meeting RoHS / CE
- High efficiency: 96% ( @ 24V input )
- Non-isolated between input and output
- Internal capacitor: NCC & NICHICON (high reliability)
- 100% full load burn-in test
- Short circuit, Over load, Over temperature 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-24S1215**



**Specifications**

| Model       | WG-24S1215                  |     |                     |
|-------------|-----------------------------|-----|---------------------|
| Input       | Rated voltage               | V   | 24                  |
|             | Voltage range               | V   | 18-36               |
|             | Efficiency (type)           | %   | 96% @ 24Vin         |
|             | Positive cable (red)        | AWG | 16 @ 16.5cm length  |
|             | Negative cable (black)      | AWG | 16 @ 16.5cm length  |
| Output      | Voltage                     | V   | 12                  |
|             | Max. rated current          | A   | 15                  |
|             | Max. rated power            | W   | 180                 |
|             | Voltage regulation          | %   | ±1                  |
|             | Load regulation             | %   | 2                   |
|             | No load loss                | W   | 0.5                 |
|             | Ripple & noise              | mV  | 120                 |
|             | Positive cable (yellow)     | AWG | 14 @ 16.5cm length  |
|             | Negative cable (black)      | AWG | 14 @ 16.5cm length  |
| 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                  |     | 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**

