

| Input voltage | Output voltage | Output current | Output power | Efficiency | Size |
|---------------|----------------|----------------|--------------|------------|------------|
| 28-63V DC | 12V DC | 20 Amps | 240 Watts | 94% | 74*74*32mm |



Features

- Design meeting RoHS / CE
- High efficiency: 94% (@ 36V 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-36S1220



Specifications

| Model | WG-36S1220 | | |
|-------------|-----------------------------|-----|---------------------|
| Input | Rated voltage | V | 36 |
| | Voltage range | V | 28-63 |
| | Efficiency (type) | % | 94 @ 36V input |
| | Positive cable (red) | AWG | 16 @ 15cm length |
| | Negative cable (black) | AWG | 16 @ 15cm length |
| Output | Voltage | V | 12 |
| | Max. rated current | A | 20 |
| | Max. rated power | W | 240 |
| | Voltage regulation | % | ±1 |
| | Load regulation | % | 2 |
| | No load loss | mA | 40 @ 36V input |
| | Ripple & noise | mV | 160-200 (full load) |
| | Positive cable (yellow) | AWG | 14 @ 15cm length |
| | Negative cable (black) | AWG | 14 @ 15cm length |
| Environment | Working temperature | °c | -40 ~ +80 |
| | Working humidity | RH | 10% ~ 90% |
| | Storage temperature | °c | -40 ~ +100 |
| Function | Short circuit protection | | YES |
| | Over current protection | A | @ 22~23A |
| | 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

