





# UT-P125-20W Isolated DC-DC Converter User Manual

## . Overview

UT-P125-20W is a wide input range, high efficiency, high reliability, galvanically isolated DC-DC power converter. UT-P125-20W has complete protection functions and is suitable for communication and data center room applications.

## . Features

- Wide Input Range: 20VDC~60VDC
- High Efficiency: 86% Typi.
- Complete Protection Functions
- EMC: Surge=5000V; EMI meet to En55032
- Isolate between input and output
- Easy compliance to a trail rack assembly
- 75 Ambient temperature and no fan heatsink

## . Specification

### Input

Input voltage: 20~60VDC  
Protection: input UVP, input OVP, input surge, reverse input polari, OTP

### Output

Output voltage: 12.7VDC±5%  
Rate output current: 1.6A  
Efficiency: 86% Typi. @ Full load  
Ripple & noise: 250mVp-pmax  
Protection: OCP, Short Circuit

### Ambient condition

Operation ambient: - 0°C~75°C, 20%~90%  
RH noncondensing  
Storage ambient: -40°C~85°C, 10%~90%  
RH noncondensing

Height: >3000 meters, operation ambient 55 ,  
following height goes lower, 55 ta 75

### Dimension

103mm\*52mm\*41mm

## . Terminal definition

Input	PE	Protect Earth
	V-	Negative input(connect to-48Vin-48V power system)
	V+	Positive input(connect to 0Vin-48V power system)
Output	V-	Negative output
	V+	Positive output

## . Dimension

## Attention:

Before wiring to make sure them source power be turned off. The installation has good air circulation, conducive to heat dissipation, and is rainproof, dustproof, and has no salt spray influence. The PE terminals should be connected to the grounding system.

## Warranty

The warranty period of this product is one year commencing from the date of purchase. The warranty service does not cover damages arising from improper use of the product or man-madedamages.

Installation diagram