

Portable Skid-Mounted PSA Nitrogen Generator with 99.999% Purity and Low Dew Point for Laser Welding Machines

Our Product Introduction

Basic Information

- Place of Origin: Guangdong, China
- Brand Name: ECER
- Certification: ISO 9001:2015, CE
- Model Number: PSA-N2-5LW
- Minimum Order Quantity: 1 Set
- Price: USD 8,000-12,000 / Set
- Packaging Details: Export-grade plywood case with moisture-proof film and shock-proof padding
- Delivery Time: 15-30 working days after deposit
- Payment Terms: T/T,L/C,Western Union
- Supply Ability: 50 Sets per Month



Product Specification

- Control System: PLC Automatic Control
- Adsorbent: Carbon Molecular Sieve
- Nitrogen Purity: 99.999% (5N)
- Working Pressure: 0.6-1.0 MPa
- Power Supply: 220V/50Hz Or 380V/50Hz
- Nitrogen Flow Rate: 5 Nm³/h
- Highlight: **Self-Developed Customized PSA Design, 99.999% Purity Low Dew Point, Portable Laser Welding N₂ Generator**

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Product Description

Portable Brand New Self-Developed Customized 99.999% Purity Low Dew Point PSA N2 Generator for Laser Welding Machines

Brand New Self-Developed Customized High-Purity Portable N2 Nitrogen Generator

99.999% Purity | Low Dew Point | Designed Specifically for Laser Welding Machines

This PSA-N2-5LW is a **brand new, self-developed and customized** PSA nitrogen generator engineered specifically for laser welding applications. It delivers **99.999% (5N) high-purity nitrogen** with an ultra-low pressure dew point, ensuring stable shielding gas quality for flawless laser welding seams and preventing oxidation of weld joints.

Key Features

Self-Developed Customized Design: Independently developed PSA technology with customizable flow rate, purity and dew point parameters tailored to your laser welding process.

99.999% High Purity Output: Dual-stage carbon molecular sieve adsorption guarantees consistent 5N grade nitrogen purity.

Ultra-Low Dew Point: Pressure dew point as low as -60°C, delivering dry, oil-free shielding gas that protects laser optics and weld quality.

Portable & Compact: Skid-mounted, plug-and-play unit with small footprint, easy to move between workstations.

Designed for Laser Welding Machines: Flow rate 5 Nm³/h and pressure range optimized for laser welding shielding gas consumption.

PLC Automatic Control: One-touch start, automatic purity monitoring and alarm system for unattended operation.

Technical Specifications

Parameter	Value
Model	PSA-N2-5LW
Nitrogen Purity	99.999% (5N)
Nitrogen Flow Rate	5 Nm ³ /h
Pressure Dew Point	-60°C
Working Pressure	0.6-1.0 MPa
Application	Laser Welding Machines

Contact us today for a customized quotation based on your laser welding nitrogen demand.

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