

Portable Welding Generator

Voltzen DS2300

Prominent factors

- Welder and generator combo
- 4-stroke air-cooled diesel engine at 3600 rpm
- 15-liter fuel tank capacity for uninterrupted work
- 12 hp engine with 498cc value
- Twin 5.0/220 KVA/V auxiliary power
- Max electrode diameter 5.0 mm
- 50-230 amps welding output
- Digital control panel
- All copper windings
- Electric start
- Rugged construction
- IP23-rated for outdoor use



WELD WITH PRECISION, POWER,
AND **PEACE OF MIND**

Don't let location limit your welding projects!

Discover the ultimate convenience and unparalleled performance with our portable welding generator! Designed for on-the-go professionals, this compact powerhouse not only delivers exceptional welding capabilities but also serves as a reliable power supply for your essential tools.

Experience the freedom to work efficiently and effectively anywhere, anytime. Say goodbye to limitations and hello to endless possibilities. Our portable welding generator is your perfect partner for tackling challenging projects with ease and confidence.



Distinctive Characteristics

One-unit, dual function: This welding generator allows for simultaneous welding and power supply operations, maximizing efficiency and productivity.

Superior welding performance: Equipped with Cruxweld's robust air-cooled 4-stroke diesel engine, the generator delivers exceptional welding current for various applications.

High conversion efficiency: The 100% copper alternator, along with class F insulation, ensures high conversion efficiency. The smart AVR controller maintains stable voltage output and reduces voltage waveform distortion.

Safety and fuel efficiency: The new tip-clearance fuel pump and bottom inertia injection technology provide enhanced safety and lower fuel consumption compared to gasoline alternatives.

Portable design: Featuring a new frame design, compact structure, and two large, sturdy wheels, this unit is effortless to move and handle.

Model	Voltzen DS2300
Welding electrode range	1.6 - 5.0 mm
Welding current range	50 - 230 A
Engine rated power	12 HP
Rated voltage	36 V
Open circuit voltage	65 V
Max AC output	5.0 KVA
Power phase	Single
Rated frequency	50/60 Hz
Power factor	1.0
Insulation class	F
Welding voltage (DC)	25 - 30 V
No-load Voltage (DC)	60 - 70 V
Output socket	220/16 V/A
Engine	KD195
Engine type	4-stroke engine
Speed	3600 rpm
Cylinder displacement	498 cc
Bore	92 mm
Stroke	75 mm
Compression ratio	20.3:1
Max. torque	25@2200 Nm
Fuel type	Diesel
Cooling system	Forced air cooled
Fuel tank capacity (L)	15
Engine oil capacity (L)	1.65
Fuel consumption	1.0 l/h.
Oil consumption	0.0048 kg/h.
Protection degree	IP23
Sound level	72 dB(A) @7m
Starting system	Recoil/electric
Starter motor	Hitachi
Ball bearing	All by NSK
Continuous running (hr)	8 - 10
Recommended battery	12/44 V/Ah
Certification	CE/ISO9001
Dimensions (LxWxH)	710 x 495 x 620 mm
Dry weight	76 kg

Voltzen DS2300 Control Panel



Introducing our state-of-the-art engine-driven welder control panel, equipped with a sleek digital display that puts the power of precision welding right at your fingertips. Get ready to experience the following user-friendly features:

1. **Digital display:** Experience exceptional precision welding with supreme control at your fingertips.
2. **Effortless current adjustment:** Fine-tune your welding performance with our smooth and responsive current adjustment knob, ensuring the perfect fusion every time.
3. **Seamless welding to auxiliary changeover:** Switch between welding and auxiliary power effortlessly with our dedicated changeover switch, maximizing versatility and productivity.
4. **Instant electric start:** Embrace the future – ditch manual starts and ignite your welder in seconds.
5. **Dual power sockets:** Power up tools and accessories effortlessly, keeping your workspace organized and efficient.
6. **Oil alert intelligence:** Stay informed about your engine's health in real-time.
7. **Ultimate safety with MCB switch:** Protect your equipment and ensure a safe working environment with our integrated Miniature Circuit Breaker (MCB) on/off switch.
8. **Direct welding connector:** Streamline your workflow with built-in output connectivity.



Your On-the-Go Welding Solution