



Pioneer 5000 E-Generator Beyond Fuel. Earn More.





What is E-Generator?

A Professional E-Generator is a new generation of professional jobsite power solution that combines the reliability of a generator with the intelligence, flexibility, and sustainability of battery energy storage.

Pioneer 5000 E-Generator is a professional electric generator built to replace fuel, power heavy-duty tools, keep working and earning.

From Jobsites to Home Backup



Construction & Jobsites



Rental Fleet Operations



Farm & Ranch



Home Backup

Start Heavy-Duty Tools Keep Crews Moving

5,000W
Continuous Output

18,000W
Surge Power

5,120Wh
Battery Capacity

Scale from 5kWh to 35.8kWh With B300K /B500K/B300 Pro/ B500 Pro



Cut-off Saw
2,700W



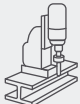
Construction Table Saw
3,000W



Breaker
2,200W



Diamond Core Drill
3,300W



Magnetic Base Drill
1,400W



Arc Welding Machine
3,000W



Concrete Mixer
600W



Pressure Washer
3,000W

Work Where Fuel Generators Cannot

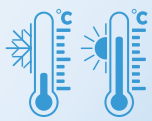
IP65
Water & Dust Resistance



IK10
Impact Protection



-20°C to 55°C
Wide-Temperature Operation



0
Tailpipe Emissions



≤50dB
Quiet Operation



Multiple Ways to Stay Charged

AC Charging | Vehicle Charging | Solar Charging | Generator Integrating

AC Wall Outlet Charging

US: Up to 1,440W

EU/UK/AU: Up to 2,300W



Electrical Panel Charging

Up to 5,000W

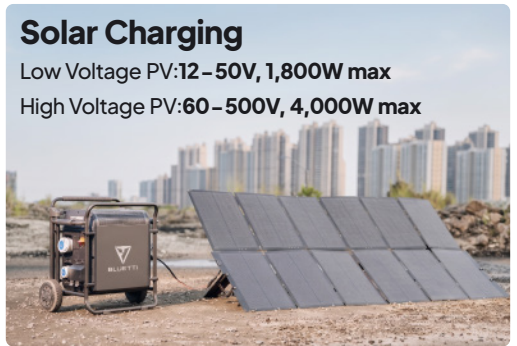
0-80% in 60 min



Solar Charging

Low Voltage PV: 12-50V, 1,800W max

High Voltage PV: 60-500V, 4,000W max



EV Charging

Up to 5,000W



Generator Charging

Up to 5,000W Fast Charging

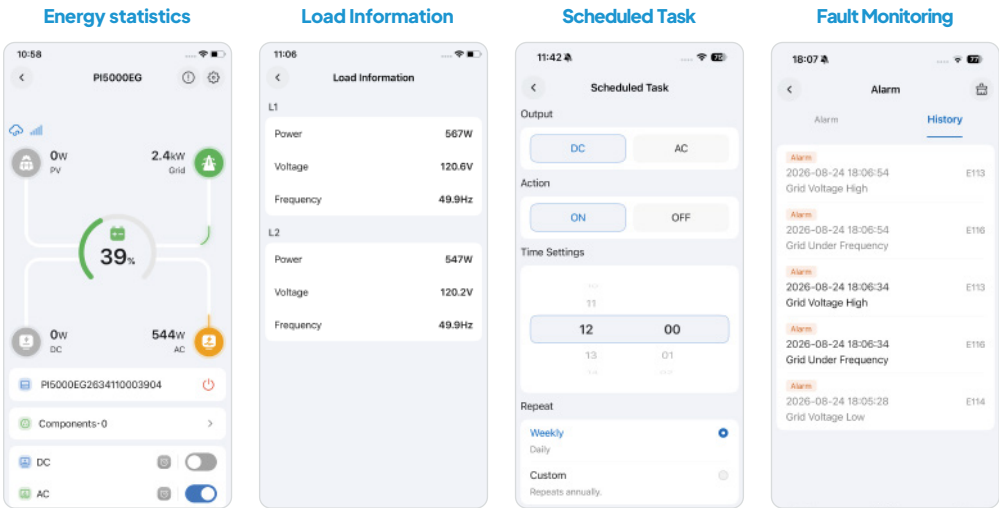
0-80% in 60 min



Engineered for Professionals



Smarter Management Lower Cost



4G+GPS

Standard Version: Bluetooth/Wi-Fi
4G Version: Bluetooth/Wi-Fi/4G Connectivity/GPS Tracking

Pioneer 5000 E-Generator

Battery Capacity	5,120 Wh (51.2 V/100 Ah)
Battery Type	LiFePO ₄
Weight	74.5 kg/164.2 lbs
Dimensions (L × W × H)	748 × 447 × 733 mm/ 29.45 × 17.60 × 28.86 in (with roll cage folded)
Charging Temperature	-20°C to 55°C/-4°F to 131°F
Discharging Temperature	-20°C to 55°C/-4°F to 131°F (derating above 35°C/95°F*)
Storage Temperature	-20°C to 40°C/-4°F to 104°F
Operating Humidity	0% to 100% (non-condensing)
Noise	50 dB Max.
Communication	Wi-Fi (2.4 GHz)/Bluetooth/4G (optional)
Max. Operating Altitude	2,000 m/6,561.68 ft
Protection Rating	IP65 (with all port covers closed)
Installation Environment	Indoor/Outdoor
Impact Rating	IK10
Pollution Degree	3

AC Output

AC Output (Discharging)	US: 5,000 W Max., 120 V/240 V, 60 Hz
	EU/UK/AU: 5,000 W Max., 230 V, 50 Hz
AC Output (Bypass)	EU/UK/AU: 7,360 W Max., 230 V, 32 A Max.
Overload Capacity	5,250–6,250 W (2 min)
	6,250–7,500 W (10 s)
	7,500–11,000 W (3 s)
Peak Power	18 kW

DC Output

1 × Cigarette Lighter Port	12.5/13.5 V ≈ 10 A
2 × USB-A	15 W Max., 5 V ≈ 3 A
1 × 140 W USB-C	5/9/12/15/20 V ≈ 3 A, 20/28 V ≈ 5 A
1 × 15 W USB-C	5 V ≈ 3 A

AC Input

AC Input (P050A)	US: 5,000 W Max., 120 V/208 V or 120 V/240 V, 60 Hz
	EU/UK/AU: 5,000 W (Charing), 7,360 W (Charing+Bypass), 230V, 50Hz
AC Input	US: 1,440 W Max., 120 V, 60 Hz
	EU/UK/AU: 2,300 W Max., 230 V, 50 Hz

DC Input

Aviation Port	1,800 W Max., 12–50 V ≈ 50 A
MC4 Port	4,000 W Max., 60–500 V ≈ 16 A
AC & DC Input	6,500W

Battery Expansion Port

Interface	P090D
Compatibility	B300K, B300 Pro, B500K, B500 Pro, CHARGER 2, SolarX 4K, Hub D1

Overvoltage Category

AC Input	OVC II
AC Input (P050A)	OVC III
DC Input (MC4)	OVC II

Uninterruptible Power Supply (UPS)

Switchover Time	≤ 10 ms
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Learn More