



(Business Registration No: 199400661M)

AES G140 Ground Power Unit Technical Specification

Operation Performance

Capacity:	140 KVA
Phase	3 Phases
Rated voltage:	115/200V
Rated frequency:	400HZ
Power factor:	0.8
Voltage regulation:	114~116V
Modulation :	3.5V
Cold and hot state voltage drift:	±1%
Transient surge voltage range:	90-140V
Transient voltage recovery time:	0.1 second (no load to rated load)
Voltage adjust:	115±15 V
Unbalanced phase voltage:	3V (15% unbalanced load)
Crest factor:	1.31~1.51
Total harmonic distortion:	≤3% of the fundamental voltage
Individual harmonic distortion:	≤2% of the fundamental voltage
Deviation coefficient:	≤4%
Phase voltage displacement with balanced load:	120°±2°
Overload capacity:	125%@5min, 150%@10s

Dimensions and Weight

Overall Dimensions (L*W*H)	4200*2000*2000mm
Max. Driving speed:	30km/h
Max. Gradeability:	30%
Noise:	≤ 80dB(A)
Gross Vehicle Weight:	3000kg

Generator

TFZPW-TH (112KW) 400Hz adjustable, 3 phase four wire system

Engine

Model: DEUTZ BF6M1013EC, 163kw@2000rpm

Turbocharged 4-stroke, inline 6 cylinder

24 VDC battery system

Low oil pressure shutdown

High coolant temperature shutdown

Chassis

Hot-dipped galvanized steel structure

Fifth wheel steering

Standard Equipment

AC output cable

30 feet, 2 set

Working Conditions

Ambient temperature: -25°C to $+50^{\circ}\text{C}$

Relative humidity: $\leq 95\%$

Altitude above sea level: less than 4000m

