

Power Cell DIESEL GENERATOR

Cummins Series
Diesel Generator Set/50Hz
1000KVA



Features

- » Compact structure with high-strength chassis;
- » Easy operation and maintenance, low cost;
- » Excellent performance damping
- » Compliance with international electrical safety standards of electrical
- » 8 hours base tank;
- » High-performance maintenance-free batteries with isolation switch;
- » 50°C Radiator;
- » Forklift bottom hole design, easy to transport;
- » Industrial muffler;
- » Noise reduction structure, low noise;
- » Convenient power output interface;
- » IP56(control system);
- » Customized design for user;



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Technical Data

Model		CU1000
Prime power	kW	800.0
	kVA	1000.0
Standby power	kW	880.0
	kVA	1100.0
Rated voltage	V	400/230
Rated current	A	1443
Sound level	dB(@7m)	≤72

Engine

Brand	Cummins	
Model	KTA38-G5	
Aspiration	Turbo,Air/Water Cooling	
No. of cylinder	V12	
Fuel injection system	PT type	
Displacement	Liquid	37.8
Bore/Stroke	mm	159*159
Compression ratio	13.9	
Rated speed	rpm	1500
Rated power	kW	881
Governing method	EFC Electrical	
Starting Motor	V	24

Exhaust System

Exhaust gas flow	L/s	3306
Exhaust gas temp	°C	513
Max back pressure	kPa	10

Air Intake System

Max intake restrictio	kPa	6.23
Consumption	L/s	1213
Air flow	L/s	30425

Fuel System

100% load	L/h	209
75% load	L/h	161
50% load	L/h	113
Fuel tank capacity	L	2000

Lubrication System

Oil capacity	L	135
Oil consumption	g/kw.h	≤4
Min oil pressure	kPa	310-448

Cooling System

Coolant capacity	L	258
Thermostat	°C	82-93
Top tank temperatur	°C	104

Alternator

Model	STAMFORD	LVI634E
Phase	3.0	
Voltage	V	400/230
Wiring type	3 Phase 4 wire	
Bearing	1	
Power factor	0.8	
Frequency	Hz	50
Prime power	kW	800
Exciter type	Brushless,self-excitation	
Voltage regulation	%	±0.5
Protection grade	IP23	
Insulation grade	H/H	
Altitude	m	≤1000

Controller

Brand	DeepSea
Model	DSE6020

- Generator & load power monitoring (kW, kV A, kV Ar, pf)
- Generator overload protection (kW)
- Generator/load current monitoring & protection
- Configurable analogue/digital inputs
- Configurable DC, volt-free and staged loading outputs
- CAN, MPU & alternator speed sensing
- Tier 4 CAN engine support
- Configurable event log (50)
- DSE Configuration Suite PC Software
- Fuel and start outputs (configurable on CAN)



Dimension and Weight

	Open type	Silent type
Model	EP-CU1000	EPS-CU1000
Length(L) (mm)	4490	6058
Width(W) (mm)	2060	2438
Height(H) (mm)	2165	2591
Weight (kgs)	7550	13000