

# Power Cell DIESEL GENERATOR

Cummins Series  
Diesel Generator Set/50Hz  
500KVA



## 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;

# Power Cell DIESEL GENERATOR

## Technical Data

Model		CU500
Prime power	kW	400.0
	kVA	500.0
Standby power	kW	440.0
	kVA	550.0
Rated voltage	V	400/230
Rated current	A	722
Sound level	dB(@7m)	≤72

## Engine

Brand	Cummins	
Model	QSZ13-G3	
Aspiration	Turbo,Air/Air Cooling	
No. of cylinder	6	
Fuel injection system	XPI	
Displacement	Liquid	13
Bore/Stroke	mm	130*163
Compression ratio	17	
Rated speed	rpm	1500
Rated power	kW	450
Governing method	EFC Electrical	
Starting Motor	V	24

## Exhaust System

Exhaust gas flow	L/s	1489
Exhaust gas temp	°C	532
Max back pressure	kPa	13

## Air Intake System

Max intake restrictio	kPa	6.23
Consumption	L/s	533
Air flow	L/s	9800

## Fuel System

100% load	L/h	70.4
75% load	L/h	50.8
50% load	L/h	44.5
Fuel tank capacity	L	1050

## Lubrication System

Oil capacity	L	45
Oil consumption	g/kw.h	≤4
Min oil pressure	kPa	345-483

## Cooling System

Coolant capacity	L	106
Thermostat	°C	82-94
Top tank temperatur	°C	104

## Alternator

Model	STAMFORD	HCI544C
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	400
Exciter type	Brushless,self-excitation	
Voltage regulation	%	±0.5
Protection grade	IP23	
Insulation grade	H/H	
Altitude	m	≤1000

## Controller

Brand	DeepSea
Model	DSE7320

- 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-CU500	EPS-CU500
Length(L) (mm)	3250	4580
Width(W) (mm)	1380	1650
Height(H) (mm)	2100	2450
Weight (kgs)	3172	5200