C2250P5

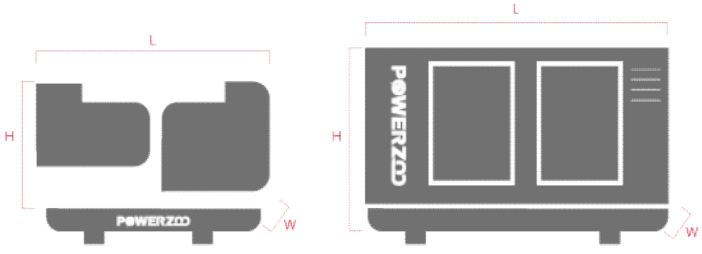
Powered by Cummins®

Emergency Standby Power (ESP):
Applicable for supplying power to varying electrical load for the duration of power interruption of a reliable utili ty source. Emergency Standby Power (ESP) is in accordance with ISO 8528. Fuel Stop power in accordance with ISO 3046, AS 2789, DIN 6271 and BS 5514.
Prime Power (PRP):
Applicable for supplying power to varying electrical load for unlimited hours. Prime Power (PRP) is in accordance with ISO 8528. Ten percent overload capabili ty is avai lable in accordance with ISO 3046, AS 2789, DIN 6271 and BS 5514.
Continuous Power (COP):
Applicable for supplying power continuously to a constant electrical load for unlimi ted hours. Continuous Power (COP) in accordance wi th ISO 8528, ISO 3046, AS 2789, DIN6271 and BS 5514.
POWERZOO generators are CE certified and conform to the following Directives:
•EN 12100: 2010, EN ISO 8528-13: 2016, EN 60204-1: 2018,
•EN 61000-6-2: 2019, 2006/42/CE Machinery safety
•2014/35/EU Low voltage
•2014/30/EU Electromagnetic compatibility
•Power according to ISO 8528 and ISO 3046
•Ambient reference conditions 1000 mbar, 25° C, 30% relative humidity.
Information based on standard specification equipment unless otherwise stated.

GENERATOR MODEL			C2250P5	
	Generator specificationsl		PRP	ESP
	Power	kW/kVA	1800/2250	2000/2500
	Rated speed	r.p.m.	1500	
	Available voltages	V	380~415	
	Frequency	Hz	50	
	Phase		3-PH	
	Power factor	Cos ϕ	0.8	
	Fuel cons 100%	L/H	455	
	Starting power	kW	24V	
	Recommended battery	Ah	120	
	Number of batteries		4	
	Auxiliary voltage	VDC	55	

50 HZ FREQUENCY | DIESEL FUEL | WATER-COOLED | SOUNDPROOF | CE CERTIFICATION | QC ISO 9001 | STACKABLE

Dimension and Weight



Open Type | Silent Type

DIMENSION			OPEN TYPE	SILENT TYPE
	Length (L)	mm	6006	12192
	Width (W)	mm	2570	2438
	Height (H)	mm	2560	2896
Kg	Dry weight	kg	15650	22550
	Fuel tank	L	TBD	2000

POWERZOO has the right to modify any feature without prior notice. Weights and dimensions based on standard products. Illustrations may include optional equipment. Technical data described in this catalogue correspond to the available information at the moment of printing. The illustrations and images are indicative and may not coincide in their entirety with the product. Industrial design under patent.

www.powerzoos.com

E-mail: info@powerzoos.com
Tel: +86 133 5829 6663

C2250P5

Powered by Cummins®

Engine Specifications

ENGINE	Cummins®
Engine model	QSK60-G21
Number of cylinders	16
Cylinder arrangement	V
Cycle	Four stroke
Aspiration	Turbocharged and aftercooled
Bore × Stroke	159 × 190 mm
Displacement	60.2 L
Compression ratio	14.5:1
Prime power/Speed	1936/1500 (kW/rpm)
Standby power/Speed	2164/1500 (kW/rpm)
Fuel system	Cummins MCRS
Cooling system (open type)	40℃ tropical radiator
Cooling system (silent type)	50℃ tropical radiator

ENGINE	Cummins®
Total lubrication system capacity	280 L
Coolant capacity	159 L
Speed stability (%)	≤1%
Start type	Electrical
Piston speed	9.5 M/S
Coolant r	50% ethylene glycol; 50% water
Intake air flow	2459 L/S
Exhaust gas flow	6050 L/S
Exhaust gas temperature	471℃
Consumption @ 100% load ESP	523 L/H
Consumption @ 100% load PRP	455 L/H
Consumption @ 75% load PRP	361 L/H
Consumption @ 50% load PRP	249 L/H

Features:

- •Diesel engine
- •4-stroke cycle
- •Water-cooled
- •Dry air filter
- •Radiator with pusher fan
- •Moving parts protection
- •Radiator water level sensor (Optional)
- •55 degree radiator (Optional)
- •Jacket coolant heater (Optional)
- •Lube oil heater (Optional)
- •Engine filter heater (Optional)
- •Fuel inlet line heater (Optional)
- •Heavy duty air filter (Optional)

Alternator Specification

ALTERNATOR	
Exciter type	Brushless, self-excited
Power factor	0.8
Voltage adjust range	≥5%

ALTERNATOR	
Voltage regulation NL-FL	≤±1.0%
Insulation grade	H
Protection grade	IP23

Options:

- •AREP/PMG/EBS
- •Air inlet filter (5% deration)
- •louver (5% deration)
- •Space heater
- •Digital AVR
- •Severe environmental impregnation
- •Stator sensor
- •PT100
- •Rotor sensor
- •Double bearing
- •Drip proof cover
- •Terminal box IP44

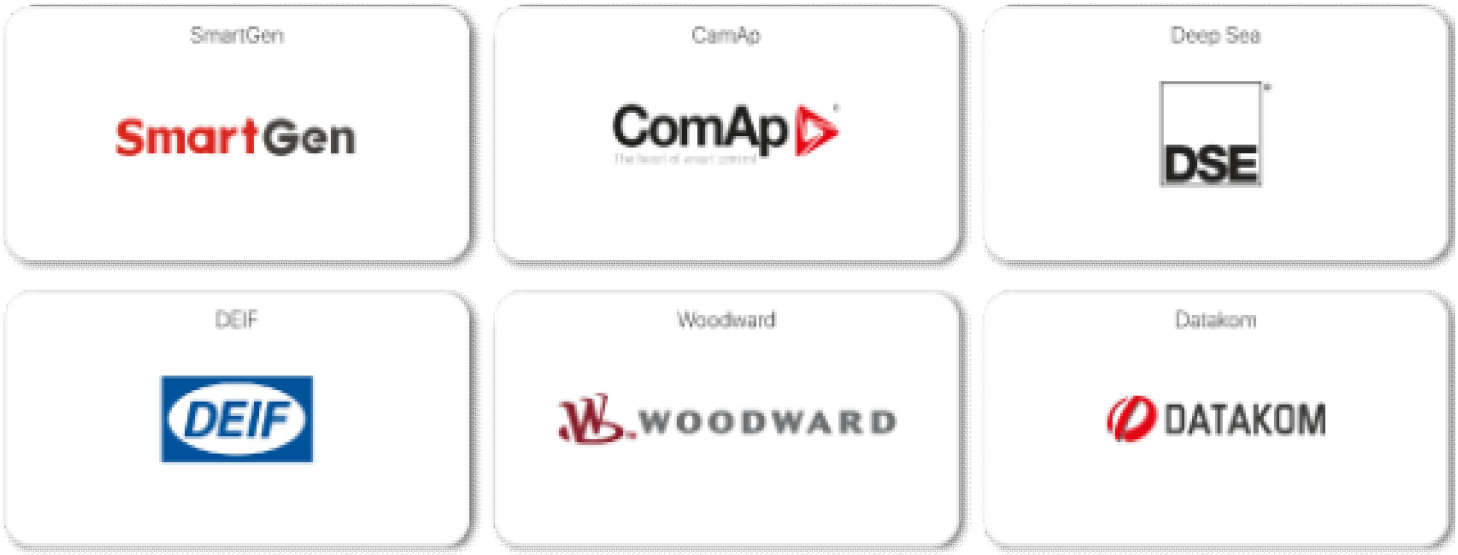
www.powerzoos.com

E-mail: info@powerzoos.com
Tel: +86 133 5829 6663

C2250P5

Powered by Cummins®

Controller Brands



Controller Functions

OPTIONAL CONFIGURATION	Stand-alone Basic	Stand-alone Advanced	Synchronization Basic	Synchronization Advanced
Voltage between phases	●	●	●	●
Voltage between neutral and phase	●	●	●	●
Current intensities	●	●	●	●
Frequency	●	●	●	●
Apparent power (kVA)	●	●	●	●
Active power (kW)	●	●	●	●
Reactive power (kVAr)	●	●	●	●
Power factor	●	●	●	●
Coolant temperature	●	●	●	●
Oil pressure	●	●	●	●
Battery voltage	●	●	●	●
R.P.M.	●	●	●	●
Battery charge alternator voltage	●	●	●	●
High water temperature by sensor	●	●	●	●
Low oil pressure by sensor	●	●	●	●
Unexpected shutdown	●	●	●	●
Fuel storage by sensor	●	●	●	●
Stop failure/Start failure	●	●	●	●
Overspeed/Underspeed	●	●	●	●

● Standard ○ Optional

E-mail: info@powerzoos.com
Tel: +86 133 5829 6663

C2250P5

Powered by Cummins®

OPTIONAL CONFIGURATION	Stand-alone Basic	Stand-alone Advanced	Synchronization Basic	Synchronization Advanced
Emergency stop	●	●	●	●
High/Low frequency	●	●	●	●
High/Low voltage	●	●	●	●
Short-circuit	●	●	●	●
Incorrect phase sequence	●	●	●	●
Inverse power	●	●	●	●
Overload	●	●	●	●
Total hour counter	●	●	●	●
Kilowatt meter	●	●	●	●
Starts valid counters	●	●	●	●
Maintenance	●	●	●	●
USB	●	●	●	●
Software for PC	●	●	●	●
Alarm history	●	●	●	●
External start	●	●	●	●
Start inhibition	●	●	●	●
Mains failure start	●	●	●	●
Pre-heating engine control	●	●	●	●
Fuel transfer control	●	●	●	●
Engine temperature control	●	●	●	●
Programmable alarms	●	●	●	●
Genset start function in test mode	●	●	●	●
Programmable outputs	●	●	●	●
Multilingual	●	●	●	●
RS485		●	●	●
Modbus IP		●	●	●
J1939		●	●	●
Synchronization			●	●
Mains synchronization				●
Fuel level (%)	○	○	○	○
Low water level	○	○	○	○
GSM/GPRS modem	○	○	○	○
Remote screen	○	○	○	○

● Standard ○ Optional

www.powerzoos.com

E-mail: info@powerzoos.com
Tel: +86 133 5829 6663