

P&WERZOD

C550P6

1800

220~480

60

3-PH

0.8

123

24V

120

2

35

STACKABLE

ESP

480/600

PRP

440/550

r.p.m.

V

Hz

 $\cos \phi$

L/H

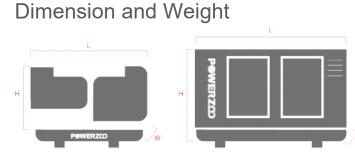
VDC

Ah

A

ISO 9001

GENERATOR MODEL Ð POWERZOD 17 Generator specificationsl Ħ 12 M kW/kVA Power G) $(\underline{})$ Rated speed V Available voltages Emergency Standby Power (ESP): Applicable for supplying power to varying electrical load for the duration 50/60 HZ Frequency 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. 3 Phase 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 (III) Power factor 6271 and BS 5514. Continuous Power (COP): Applicable for supplying power continuously to a constant electrical load Fuel cons 100% 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: Starting power •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 Recommended •2014/30/EU Electromagnetic compatibility battery •Power according to ISO 8528 and ISO 3046 - + •Ambient reference conditions 1000 mbar, $25\,^\circ$ C, 30% relative humidity. Information based on standard specification equipment unless otherwise Number of batteries stated. Auxiliary voltage WATER-COOLED)) REQUENCY DIESEL FUEL SOUNDPROOF



Silent Type

	DIMENSION		OPEN TYPE	SILENT TYPE
Ŭ ₽	Length (L)	mm	3250	4856
ų, ti	Width (W)	mm	1400	1450
	Height (H)	mm	2100	2453
Kg	Dry Weight	kg	3850	5895
E	Fuel tank	L	800	800

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.



Open Type



Engine Specifications

ENGINE	Cummins®	ENGINE	Cummins®
Engine model	KTA19-G3A	Total lubrication system capacity	50 L
Number of cylinders	6	Coolant capacity (with radiator)	66.2 L
Cylinder arrangement	Vertical in-line	Speed stability (%)	≤3%
Cycle	Four stroke	Start type	Electrical
Aspiration	Turbocharged, Aftercooled	Maximum exhaust temperature	50 4℃
Bore × Stroke	159 × 159 mm	Exhaust gas flow	1862 L/S
Displacement	19 L	Maximum allowed back pressure	10 kPa
Compression ratio	13.9:1	Intake air flow	716 L/S
Prime power/Speed	507/1800 (kW/rpm)	Starting power	8.5KW
Standby power/Speed	563/1800 (kW/rpm)	Consumption @ 100% load ESP	1136 L/H
Speed governor	Electronic	Consumption @ 100% load PRP	123 L/H
Cooling system (open type)	40°C tropical radiator	Consumption @ 75% load PRP	93 L/H
Cooling system (silent type)	50℃ tropical radiator	Consumption @ 50% load PRP	66 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		ALTERNATOR			
Exciter type	Brushless, self-excited	Voltage regulation NL-FL	≤±1.0%		
Power factor	0.8	Insulation grade	н		
Voltage adjust range	≥5%	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

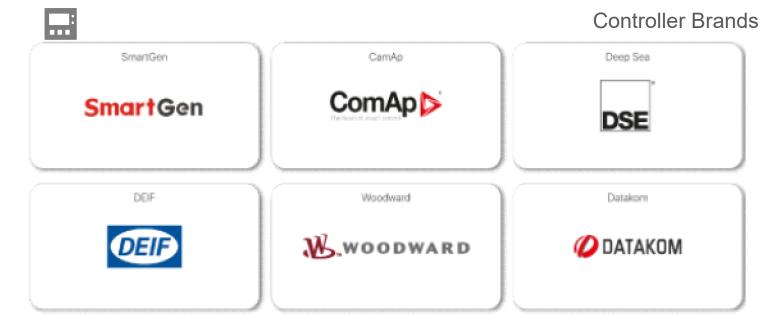


www.powerzoos.com

E-mail: info@powerzoos.com Tel: +86 13358296663



P\$WERZOD



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	•	٠	•	•
High water temperature by sensor	•	•	•	•
Low oil pressure by sensor	•	•	•	•
Unexpected shutdown	•	•	•	•
Fuel storage by sensor	•	•	•	•
Stop failure/Start failure	•	•	•	•
Overspeed/Underspeed	•	•	•	•

lacksquare Standard \hdotsquare Optional





PØWERZOD

Energency stopIIIIIIHigh/Low /requencyIIIIIIHigh/Low /requencyIIIIIIShort-circuit.III </th <th>OPTIONAL CONFIGURATION</th> <th>Stand-alone Basic</th> <th>Stand-alone Advanced</th> <th>Synchronization Basic</th> <th>Synchronization Advanced</th>	OPTIONAL CONFIGURATION	Stand-alone Basic	Stand-alone Advanced	Synchronization Basic	Synchronization Advanced
High/Low voltage•••••Short-circuit··· <td>Emergency stop</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td>	Emergency stop	•	•	•	•
Short-circuitIncorrect phase sequenceInInInInIncorrect phase sequenceInInInInInInverse powerInInInInInInOverloadInInInInInInOverloadInInInInInInOverloadInInInInInInTotal hour counterInInInInInInKillwatt meterInInInInInInStarts valid countersInInInInInInMaintenanceInInInInInInInStarts valid countersInInInInInInInSoftware for PCIn <td< td=""><td>High/Low frequency</td><td>•</td><td>•</td><td>•</td><td>•</td></td<>	High/Low frequency	•	•	•	•
Incorrect phase sequence•••••Inverse power••••••Overload•••••••Total hour counter••• <td>High/Low voltage</td> <td>•</td> <td>•</td> <td>•</td> <td>•</td>	High/Low voltage	•	•	•	•
Inverse powerImage: start function in test modeImage: start function in test	Short-circuit	•	•	•	•
OverloadImage: start sector of the sector of th	Incorrect phase sequence	•	•	•	•
Tatal hour counterImage: starts valid countersImage: start valid countersIma	Inverse power	•	•	•	•
Kilowatt meterIIIIStarts valid countersIIIIMaintenanceIIIIUSBIIIIISoftware for PCIIIIAlarm historyIIIIIExternal startIIIIIStart inhibitionIIIIIMains failure startIIIIIFuel transfer controlIIIIIProgrammable alarmsIIIIIProgrammable outputsIIIIIMultilingualIIIIIISynchronizationIIIIIIMains synchronizationIIIIIIFuel level (%)IIIIIIISynchronizationIIIIIIIFuel level levelIIIIIIISynchronizationIIIIIIIFuel level RevelIIIIIIISynchronizationIIIIIIIFuel level RevelIIIIIIIFuel level RevelIIII <t< td=""><td>Overload</td><td>•</td><td>•</td><td>•</td><td>•</td></t<>	Overload	•	•	•	•
Starts valid countersImage: starts valid countersImage: starts valid countersImage: starts valid countersMaintenanceImage: startImage: startImage: startImage: start valid countersImage: start valid counters<	Total hour counter	•	•	•	•
MaintenanceImage: state	Kilowatt meter	•	•	•	•
USBImage: state of the state of	Starts valid counters	•	•	•	•
Software for PCImage: start start startImage: start star	Maintenance	•	•	•	•
Alarm historyImage: start start startImage: start	USB	•	•	•	•
External startImage: start	Software for PC	•	•	•	•
Start inhibitionImage: start inhibiti	Alarm history	•	•	•	•
Mains failure startImage:	External start	•	•	•	•
Pre-heating engine controlImage: state of the	Start inhibition	•	•	•	•
Fuel transfer controlImage: second controlImage: second controlImage: second controlImage: second controlEngine temperature controlImage: second controlImage: second controlImage: second controlProgrammable alarmsImage: second controlImage: second controlImage: second controlGenset start function in test modeImage: second controlImage: second controlImage: second controlProgrammable outputsImage: second controlImage: second controlImage: second controlMultilingualImage: second controlImage: second controlImage: second controlModbus IPImage: second controlImage: second controlImage: second controlJ1939Image: second controlImage: second controlImage: second controlMains synchronizationImage: second controlImage: second controlImage: second controlFuel level (%)Image: second controlImage: second controlImag	Mains failure start	•	•	•	•
Engine temperature controlImage: controlImage: controlProgrammable alarmsImage: controlImage: controlGenset start function in test modeImage: controlImage: controlProgrammable outputsImage: controlImage: controlMultilingualImage: controlImage: controlRS485Image: controlImage: controlModbus IPImage: controlImage: controlJ1939Image: controlImage: controlSynchronizationImage: controlImage: controlMains synchronizationImage: controlImage: c	Pre-heating engine control	•	•	•	•
Programmable alarmsImage: start function in test modeImage: start function in test modeImage: start function in test modeImage: start function in test modeProgrammable outputsImage: start function in test modeImage: start function in test modeImage: start function in test modeProgrammable outputsImage: start function in test modeImage: start function in test modeImage: start function in test modeMultilingualImage: start function in test modeImage: start function in test modeImage: start function in test modeModbus IPImage: start function in test modeImage: start function in test modeImage: start function in test modeJ1939Image: start function in test modeImage: start function in test modeImage: start function in test modeMains synchronizationImage: start function in test modeImage: start function in test modeImage: start function in test modeFuel level (%)Image: start function in test modeImage: start function in test modeImage: start function in test modeLow water levelImage: start function in test modeImage: start function in test modeImage: start function in test modeGSM/GPRS modemImage: start function in test modeImage: start function in test modeImage: start function in test mode	Fuel transfer control	•	•	•	•
Genset start function in test modeImage: start function in test modeImage: start function in test modeImage: start function in test modeProgrammable outputsImage: start function in test modeImage: start function in test modeImage: start function in test modeMultilingualImage: start function in test modeImage: start function in test modeImage: start function in test modeImage: start function in test modeRS485Image: start function in test modeImage: start function in test modeImage: start function in test modeImage: start function in test modeMains synchronizationImage: start function in test modeImage: start function in test modeImage: start function in test modeImage: start function in test modeFuel level (%)Image: start function in test modeImage: start function in test modeImage: start function in test modeImage: start function in test modeFuel level (%)Image: start function in test modeImage: start function in test modeImage: start function in test modeImage: start function in test modeFuel level (%)Image: start function in test modeImage: start function in test modeImage: start function in test modeImage: start function in test modeFuel level levelImage: start function in test modeImage: start function in test modeImage: start function in test modeImage: start function in test modeFuel level (%)Image: start function in test modeImage: start function in test modeImage: start function in test modeImage: start function in test modeFuel level (%)Image: start function in test	Engine temperature control	•	•	•	•
Programmable outputsImage: second	Programmable alarms	•	•	•	•
MultilingualImage: second	Genset start function in test mode	•	•	•	•
RS485Image: state of the state o	Programmable outputs	•	•	•	•
Modbus IPImage: Boot of the state of the stat	Multilingual	•	•	•	•
J1939••••SynchronizationII•••Mains synchronizationIII••Fuel level (%)000000SSM/GPRS modem000000	RS485		•	•	•
SynchronizationImage: SynchronizationImage: SynchronizationImage: SynchronizationMains synchronizationImage: SynchronizationImage: SynchronizationImage: SynchronizationFuel level (%)Image: SynchronizationImage: SynchronizationImage: SynchronizationLow water levelImage: SynchronizationImage: SynchronizationImage: SynchronizationGSM/GPRS modemImage: SynchronizationImage: SynchronizationImage: Synchronization	Modbus IP		•	•	•
Mains synchronizationImage: SynchronizationImage: SynchronizationImage: SynchronizationFuel level (%)0000Low water level0000GSM/GPRS modem0000	J1939		•	•	•
Fuel level (%)000Low water level0000GSM/GPRS modem0000	Synchronization			•	•
Low water level000GSM/GPRS modem0000	Mains synchronization				•
GSM/GPRS modem 0 0 0	Fuel level (%)	0	0	0	0
	Low water level	0	0	0	0
Remote screen 0 0 0 0	GSM/GPRS modem	0	0	0	0
	Remote screen	0	0	0	0

• Standard O Optional



E-mail: info@powerzoos.com Tel: +86 13358296663