

YC1875P6

Powered by YUCHAI®



Emergency Standby Power (ESP):

Applicable for supplying power to varying electrical load for the duration of power interruption of a reliable utility 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 capability is available 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 unlimited hours. Continuous Power (COP) in accordance with ISO 8528, ISO 3046, AS 2789, DIN 6271 and BS 5514.

Powerzoo generators are CE certified and conform to the following Directives:

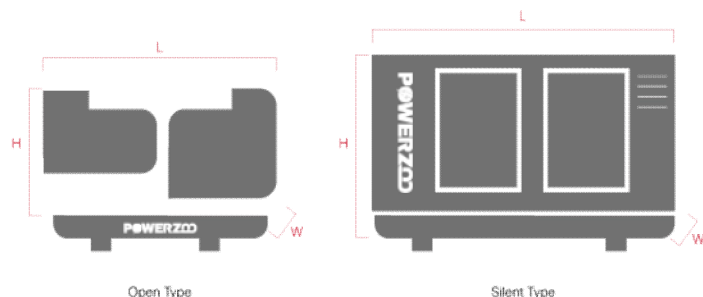
- EN 12100: 2010, EN ISO 8528-13: 2016, EN 60204-1: 2018,
- EN 61000-6-2: 2019, 2006/42/CE Machinery safety
- 2014/35/EU Low voltage
- 2014/30/EU Electromagnetic compatibility
- Power according to ISO 8528 and ISO 3046

•Ambient reference conditions 1000 mbar, 25° C, 30% relative humidity.
Information based on standard specification equipment unless otherwise stated.

GENERATOR MODEL			YC1875P6	
	Generator specifications		PRP	ESP
			1500/1875	1600/2000
	Power	kW/kVA	1800	
	Rated speed	r.p.m.	220~480	
	Available voltages	V	60	
	Frequency	Hz	3-PH	
	Phase		0.8	
	Power factor	Cos φ	408.1	
	Fuel cons 100%	L/H	8.5	
	Starting power	kW	120	
	Recommended battery	Ah	4	
	Number of batteries		24V	
	Auxiliary voltage	VDC		



Dimension and Weight



DIMENSION			OPEN TYPE	SILENT TYPE
	Length (L)	mm	5800	14192
	Width (W)	mm	2439	2438
	Height (H)	mm	2593	2590
	Dry weight	kg	14000	18500
	Fuel tank	L	N/A	N/A

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 13358296663

YC1875P6

Powered by YUCHAI®



Engine Specifications

ENGINE	YUCHAI®	ENGINE	YUCHAI®
Engine model	YC16VTD2510-D32	Total lubrication system capacity	310 L
Number of cylinders	16	Coolant capacity (with radiator)	554 L
Cylinder arrangement	V type	Speed stability (%)	≤3%
Cycle	4 stroke	Start type	Electrical
Aspiration	Turbocharged, water-air intercooled	Maximum exhaust temperature	550 °C
Bore × Stroke	152*180mm	Exhaust gas flow	269.7 m³/min
Displacement	52.26L	Maximum allowed back pressure	10 kPa
Compression ratio	14:1	Intake air flow	129.1 m³/min
Prime power/Speed	1680 /1800 (kW/rpm)	Cooling air flow	TBA
Standby power/Speed	1850/1800 (kW/rpm)	Consumption @ 100% load ESP	456.0 L/H
Speed governor	ECU	Consumption @ 100% load PRP	408.1 L/H
Cooling system (open type)	40°C tropical radiator	Consumption @ 75% load PRP	304.5 L/H
Cooling system (silent type)	50°C tropical radiator	Consumption @ 50% load PRP	214.3 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	H
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

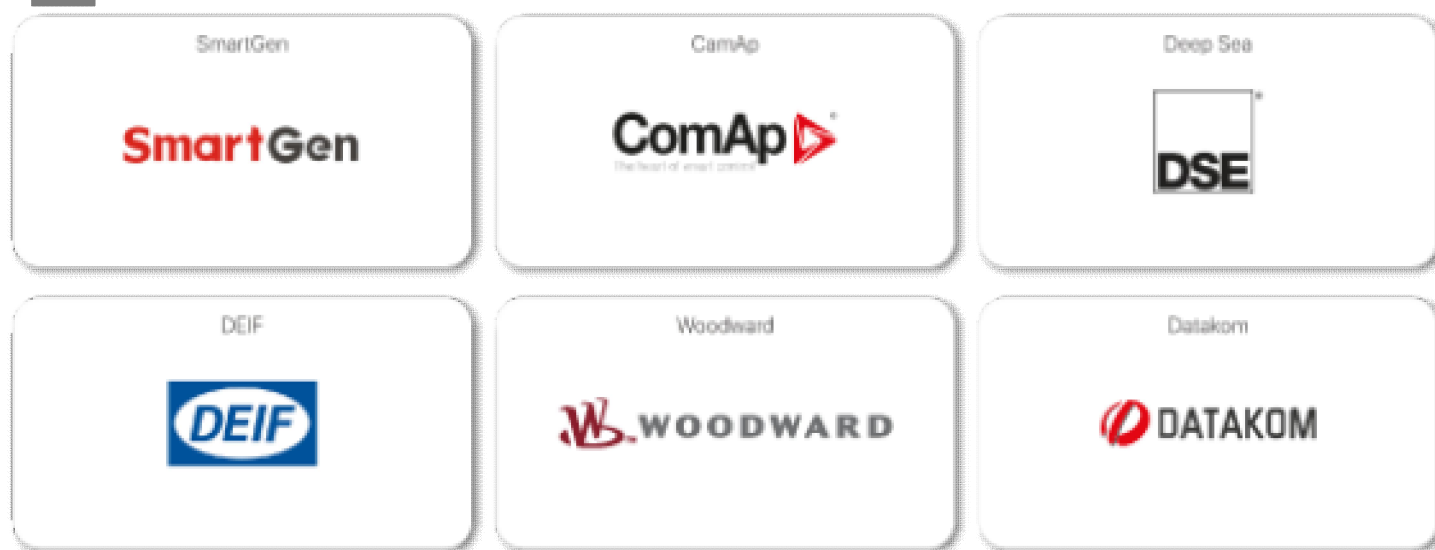


www.powerzoos.com

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



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

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