



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, DIN6271 and BS 5514.

Keypower 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.

G	GENERATOR MODEL		КРХ-ҮС1250Р		
	Generator specifications		PRP	ESP	
•	Power	kW/kVA	900/1125	1000/ 1250	
0	Rated speed	r.p.m.	1800		
v	Available voltages	V	220~480		
50/60 HZ	Frequency	Hz	60		
3	Phase		3-PH		
	Power factor	Cosq	0.8		
â	Fuel cons 100%	L/H	241.0		
	Starting power	kW	8.5		
âñ	Recommended battery	Ah	120		
•	Number of batteries		4		
	Auxiliary voltage	VDC	24V		







WATER-COOLED 3)

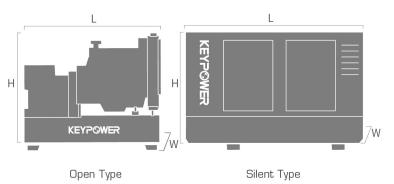








Dimension and Weight



DII	MENSION		OPEN TYPE	SILENT TYPE
	Length (L)	mm	4600	6096
₩.	Width (W)	mm	2050	2438
₩.	Height (H)	mm	2200	2591
Kg	Dry weight	kg	7500	11400
	Fuel tank	L	N/A	N/A

KEYPOWER 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.

KPX-YC1250P YUCHAI®





ENGINE YUCHAI® Engine model YC12VTD1500-D32 Number of cylinders 12 Cylinder arrangement V, 90° Cycle 4 stroke Turbocharged, water-air Aspiration intercooled Bore × Stroke 152*180mm 39.2 L Displacement Compression ratio 14:1 Prime power/Speed 1000/1800 (kW/rpm) 1100/1800 (kW/rpm) Standby power/Speed ECU Speed governor Cooling system (open type) 40°C tropical radiator Cooling system (silent type) 50°C tropical radiator

Engine Specifications

ENGINE	YUCHAI®		
Total lubrication system capacity	215 L		
Coolant capacity (with radiator)	467 L		
Speed stability (%)	≤3%		
Start type	Electrical		
Maximum exhaust temperature	550°C		
Exhaust gas flow	228 m³/min		
Maximum allowed back pressure	10 kPa		
Intake air flow	88 m³/min		
Cooling air flow	TBA		
Consumption @ 100% load ESP	264.3 L/H		
Consumption @ 100% load PRP	241.0 L/H		
Consumption @ 75% load PRP	183.0 L/H		
Consumption @ 50% load PRP	129.2 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 Exciter type Brushless, self-excited Power factor 0.8 Voltage adjust range ≥5%

Alternator Specifications

ALTERNATOR			
Voltage regulation NL-FL	≤±1.0%		
Insulation grade	Н		
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
- Double bearing







Controller Brands











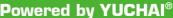


Controller Functions

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

KPX-YC1250P YUCHAI®







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 (%)	0	0	0	0
Low water level	0	0	0	0
GSM/GPRS modem	0	0	0	0
Remote screen	0	0	0	0

● Standard ○ Optional



