

EcoApp Series

Residential Standby Generator Set

Water Cooled Gas Engine

LPG/NG, Switchable

Model: EA15D

LPG: 15KW/18.8KVA

NG: 14KW/17.5KVA



Pictures for reference only

GENSET FEATURES

○ RELIABLE QUALITY

Tide Power Technology possess reliable products and services for globally customers. In the past years we have supplied gas gensets to Germany, Russia, America etc, and we has been generally praised by customer.

○ HIGH EFFICIENCY

EcoApp Series supply clean and efficient power. Meanwhile, reliability testing, emission testing plus testing to applicable CE, PT, CANS, ISO9001 and other standards, allow you to choice EcoApp with confidence.

○ VIRTUAIY SILENT

EcoApp creates electricity through a silent electrochemical reaction, which means no noisy, exhaust noise or vibrations.

○ RENEWABLE ENERGY APPLICATIONS

Natural gas or liquefied petroleum gas can be fuel of EcoApp genset. It designed specially to interact with off-grid renewable energy applications, such as solar energy, wind energy. It provides the cleanest running, low emission.

STANDARD SPECIFICATIONS

GENSET		EA15D
Rated Power	(KW/KVA)	LPG: 15/18.8
		NG: 14/17.5
Rated Voltage	(V)	230 / [230/400]
Phase		Single / Three
Frequency / Speed	(Hz / RPM)	50 / 3000
Power Factor		1.0 / 0.8
Rated Current	(Amp)	LPG: 65.2 / 27.2
		NG: 60.9 / 25.4
Fuel Pressure Range	(kPa)	LPG: 1.7-3.5 (7-14)
		NG: 1.3-3.5 (5-14)
Fuel consumption 100% load	(kg/hr)	LPG: 5.6
	(m3/hr)	NG: 5.8
Dimensions(L×W×H)	(mm)	1390mm × 860mm × 1090mm
Net Weight	(kgs)	375
20/40/40HQ GP Container	(units)	20/42/42
ENGINE		TPS465G
Cooling System		WATER COOLED
Displacement	(cc)	998
Bore×Stroke	(mm x mm)	L4-65.5×74
Aspiration Type		naturally aspirated
Compression Ratio		9.5:1
Ignition System		ECM ignition
Speed Governor		ELECTRON
Electric Start		Yes
Starting Motor		12V 0.8KW
Oil Capacity	(Liters)	4.0
Charging Method		CHARGER 12V/3A
Recommend Start Battery (excluded)		18AH-45AH
ALTERNATOR		
Type		Synchronous
Voltage regulation system		AVR
Excitation Method		Brush
Pole		2
THD @ full load		≤ 5%
Voltage Adjustment		± 1%
Insulation Class		F
Stator Winding Material		Copper
Rotor Winding Material		Copper
Connection Method		Direct coupling (flange connected)

CONTROLLER	
Controller Location	INSIDE, UPPER ALTERNATOR
Brand	SMARTGEN /HSC940
Shut Down	Auto/Manual
Mains Voltage Detection	NO
Alternator Voltage Detection	YES
Low Oil Protection	YES
Low/Over Frequency Protection	YES

ENCLOSURE	
Noise Level @ 23 ft	Db(A) 69
Treatment	Powder coating
Protection Class	IP 23
Emergency Stop Switch	YES
Fuel Solenoid Valve	dual solenoid valve
Enclosure Muffler	YES
Soundproof insulation	Double metal plate & soundproof cotton

WARRANTY

EcoApp series Residential Standby generator set of our Power Technology are under warranty against defects in materials and workmanship for period of 500 Operation hours and 1 year for Air-cooled type, and 1000 Operation Hours and 1 year for Water-cooled type, from the date of delivery (except the damageable spare parts of genset caused by incorrect man-made operation), and that the aforementioned warranty for the same token is back up by the engine & alternator manufactures and their global distributors.