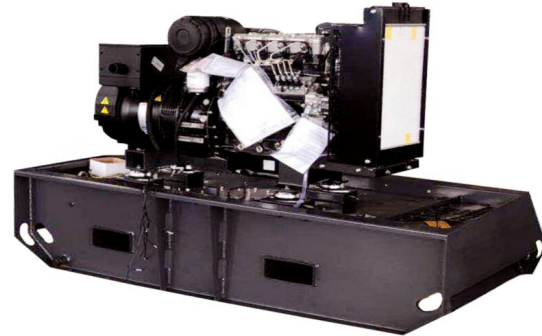


# VP-15E



## 60Hz 1800rpm IP 120/240V

Model		VP-20E
Power(ESP)	kW/kVA	15/15
Power(PRP)	kW/kVA	13/13
Rated Voltage	V	240
Rated Current	A	54.2
Rated rotation speed	r/min	1800
Power Factor	Pf	1

### STANDARDS

**Genset:** GB/T2820-2009, ISO8528

**Alternator:** VDE0530, NEMA MG 1-32, IEC34, AS1359

**Diesel Engine:** ISO3046, DIN6271

**Standby Power:** Continues running at variable load for duration of an emergency. No overload is permitted on these ratings.

**Prime Power:** Continues running at variable load for unlimited periods with 10% overload available for 1 hours in any 12 hours period.

### CONFIGURATION

**Standard:** Engine, alternator, cooling system, Base frame (excluding fuel tank), shock absorber, air inlet system, control box (including mains floating charge), plastic fan blades (when the engine and water tank do not bring).

**Optional:** Base frame (including fuel tank), water jacket heater, fuel water separator, fuel heater, fuel level sensor (only supporting underframet tank), switch box (with switch), power switch, the water level sensor, motor anti condensation heater, automatic fueling system (only supporting base frame including fuel tank), battery frame.

**Accessories:** Silencer, bellow, exhaust silencing system accessory (with the matching engine), regular battery starting cord assembly, data of genes, random tool (with the matching engine).

Frequency	Hz	60
Fuel Consumption	L/h	2.1 (50%) 3.2 (75%) 4.3 (100%) 4.7 (110%)
Phase No		1-phase
Insulation Grade		H
Pole Number		4
Excitation Mode		Self-excitation
Panel Type		Digital Panel
Performance Grade		G3/G3
Noise Level (Db)	Open Type	94 ± 2
	Silent Type	63 ± 2

# Engine:



Engine	Engine Manufacturer		Perkins
	Engine Mode		403D-15G
	Engine Type		4 stroke; In-line; 3 cylinder Diesel
	Air intake way		Naturally aspirated
	Cyl.		3
	Cylinder Bore	mm	84
	Stroke	mm	90
	Displacement	L	1.5
	Rated Power	KW/HP	14/18
	Compression Ration		22, 5:1
	Fuel System		Mechanical Direct injection
	Coolling System		Water cooled
	Lubrication System		Pressure splashed
	Starting System		Electrical Starting
	Fuel Type		To confirms to USA Fed Off Highway
	Lube oil Brand		15W40-CH4 Upgrade
Capacity of cooling Water	L	3.9L	
Lube Capacity	L	6.0L	
Stating Voltage	V	DC 12V	

# Alternator:

Alternator	Alternator Manufacturer	Stamford
	Alternator Model	PI 044G
	Control System	AVR
	Insulation System	Class H
	Protetion	IP44
	Rated Power Factor	0.8
	Stator winding	Standard No.6
	Temperature grade	H
	Voltage Regulation	±0.5%
	Satisfying Standardization	IEC600034,NEMA MG1.22,ISO 8528,CSA,UL 1446,UL1004B

# Control System:



## 132\*64 LCD display with backlight, optional language interface (Chinese, English, Spanish and Russian), push-button operation;

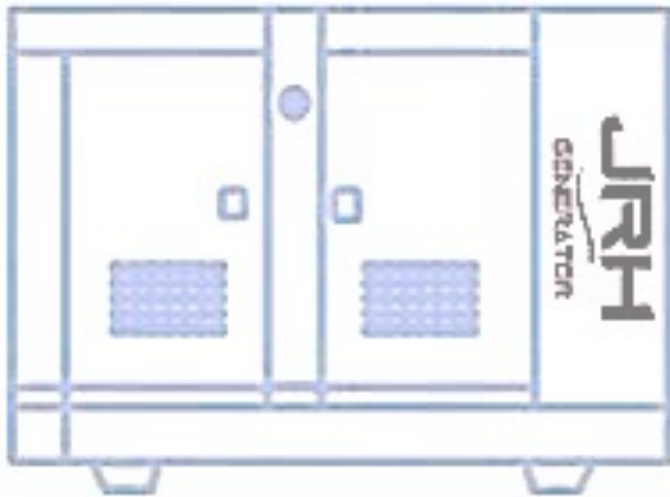
- Acrylic screen, improved wearable and scratch resistance property;
- Silica-gel panel and keys can well adapt to higher and lower temperature;
- With RS485 communication port, can achieve "three remote" functions via MODBUS protocol;
- Adapt to 3P4W, 3P3W, 1P2W and 2P3W (120V/240V), 50Hz/60Hz AC power system;
- Can measure and display 3 phase voltage, 3 phase current, frequency, power parameter of mains/gens;
- Mains have functions of over/under voltage and lack of phase; Gens have functions of over/under voltage, over/under frequency and over current;
- Precision measure and display of parameters about engine,
- Control protection: Automatic start/stop of genset, load transfer(ATS control) and perfect failure display and protection;
- With ETS, idle speed control, pre-heat control, speed droop/raising control, all of them are relay output;
- Parameter setting: Allow user to modify setting and store them in internal FLASH memory. The parameters cannot be lost even when power off. All of parameters can be set not only from the front panel, but also use programmable interface (or PS485 interface) to adjust them via PC.;
- Multi sensors of temperature, pressure and fuel level can be used directly, parameters can be defined by user;
- Multi conditions of crank disconnect (speed sensor, oil pressure, generator) can be selected;
- Power supply range: (8~35)VDC, accommodating to different starting battery volts;
- All parameters use digital modulation, instead of analog modulation using conventional potentiometer, having improved reliability and stability;
- Add rubber gasket between shell and controller screen, the waterproof can reach IP55;
- Controller is fixed by metal fixing clips;
- Modular design, flame-retardant ABS shell, embedded mounting, compact structure and easy installation.

### TECHNICAL SPECIFICATIONS:

Display	LCD(132*64)
Operation Panel	Silicon Rubber
Language	Chinese & English & Others
Digital Input	5
Relay Output	6
Analogue Input	3
AMF	
AC System	1P2W/2P3W/3P3W/3P4W
Alternator Voltage	(15~360)V(ph-N)
Alternator Frequency	50/60Hz
kW/Amp Detecting & Display	
•Monitor Interface	LINK
Programmable Interface	LINK
Maintenance	
DC Supply	DC(8-3
Case Dimensions(mm)	197*152*47
Panel Cutout(mm)	186*141
Operating Temp.	(-25~+70)°C

# Silent Type

Weight & Dimension:



L	inches	72"
W	inches	39"
H	inches	56"
Weight	pounds	1900lb