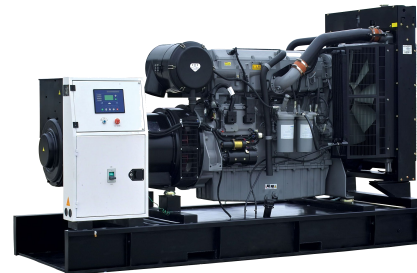


## Model: PE350



\*Drawing above for illustration purposes only

### I . GENERAL DATA

Prime Power	kW/kVA	315	394
Standby Power	kW/kVA	350	438
Frequency	Hz/rpm	60	1800
Voltage	V	480	277
Current	A	474	
Connection	/	3P4W / Y	
Rated Power Factor	/	0.8	
Open Type (L×W×H)	mm	3300×1150×2100	
Open Type(Weight)	kg	3190	
Silent Type (L×W×H)	mm	4200×1500×2100	
Silent Type(Weight)	kg	4300	

■ Available for voltages 120/208, 277/480, 120/240 (Both single and three phase)

■ All datas based on ISO 3046, altitude 100m (328.1ft), barometric pressure 100kPa (29.53inHg), air temperature 25 °C (77°F), relative humidity 30%.

■ Please contact UQ-Power for correct generator capacity selection when the load application does not meet the standard reference.

■ UQ-Power diesel generators comply with standards ISO8528, ISO 14000, ISO3046, GB755, BS5000, VDE0530, ISO3046, IEC34-1

## ***II. STANDARD CONFIGURATION***

Engine	Perkins, including air filters, fuel filters, oil filter, starting motor and charging alternator etc. Yanan
Alternator	brushless AC alternator
Radiator	40°C, fan protective shroud
Base frame	Base mounted (single wall) fuel tank, anti-vibration pads, battery holder. Double wall tank optional Channel steel base frame, base mounted fuel tank, anti-vibration pads, battery holder
Circuit Breaker	Molded case circuit breaker(MCCB).
Control System	DEEP SEA 6020
Battery	Lead acid connection cables.
Installation Accessories	Bellow, Elbow and flange, Exhaust silencer, etc.
Documents	UQ-Power standard electric drawing, operation & maintenance manual, certification etc.

## ***III. OPTIONAL CONFIGURATION***

Engine accessories	◇ Heavy-duty air filter ◇ Coolant heater ◇ Lub oil heater ◇ Fuel and Water Separator ◇ Stamford ◇ Leroy Somer ◇ Marathon ◇ Anti condensation heater ◇ PMG kV
Cooling system	◇ 50°C radiator ◇ Heat exchanger + water cooling tower + External water circulation pumping system ◇ Remote horizontal water tank system
Control System	◇ Deep Sea, Comap, Controls Inc.
Circuit Breaker	◇ ABB Brand-3 and 4 poles thermo magnetic, UL or non UL
Automatic Transfer Swtich	◇ ATS-available in Nema 1 and 3R, 2,3 and 4 pole.
Start Battery	◇ Nickel-cadmium battery ◇ Maintenance-free battery ◇ Power charger and selector ◇ Charging current meter
Fuel Tank	◇ 8,12. and 24hour, double wall both UL and non UL

#### **IV. ENGINE DATA**

Engine Model	2206D-E13TAG2	Engine power	349	kW
Aspiration	Turbocharged and air-to-air charge cooled	Displacement	12.5	L
Type	Vertical in-line	Bore×Stroke	130 x 157	mm
No. of Cylinders	6	Compression Ratio	16.3:1	
Governor Type	Electronic	Rated Speed	1800	RPM

#### **■ Fuel System**

Prime power Fuel consumption	87	l/h	Standby power Fuel consumption	93	l/h
Fuel #	0# Diesel		Injection System	MEUI	

#### **■ Lubrication System**

Lub Oil Capacity	40	L	Lub Oil Consumption	0.261	l/h
Lub #	API CF-4 15W40		Max. Temperature	113	°C

#### **■ Coolant System**

Coolant Capacity	51.4	L	Max. Top Tank Temp.	104	°C
Std. Thermostat (Modulating) Range	87-98	°C	Fan Drive Type	Shaft drive	
Exhaust air volume	788	m <sup>3</sup> /min	Fan Power	9.45	kW

#### **■ Air Intake System**

Air intake capacity	25.1/26.6	m <sup>3</sup> /min	Air Pressure	2.5	kPa
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#### **■ Exhaust System**

Exhaust Gas Flow	71.5/76.6	m <sup>3</sup> /min	Max. Back Pressure	10	kPa
Exhaust Gas Temp.	≤680	°C	Exhaust pipe size	φ123	mm

#### **■ Starting System**

Start Mode	Electric start	Battery	(2)x120	Ah
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## V. ALTERNATOR DATA

Alternator Model	SLG314E	Rate Power	335/419	kW/kVA
PF.	0.8	Voltage	480/277	V
Phase	3	Frequency	60	Hz
Connection	3P 4W	Bearing	1	
Winding Pitch	2/3	Proteccion Class	IP21	
Insulation Class	H/H	Efficiency	93.80%	
Tel. Influence	TIF: <50	Voltage Regulation	±1.0%	
Harmonic Coefficient	THF: <2%	AVR	AS440	
Voltage Adjust Scope	≥±5%	Excitation System	SELF EXCITED	

## VI. CONTROL SYSTEM DATA

MODEL DSE6020

### ■ Main feature

Electronic J1939 (CAN) and Modbus capable, MPU and alternator sensing, engine support for diesel and gas engines all in one controller. With a large number of flexible inputs, outputs and protection circuits,

The modules can be easily adapted to suit a wide range of

### ■ Application

- ▲ utility voltage sensing
- ▲ Generator/load power monitoring (kW, kV A, kV Ar, pf)
- ▲ Generator overload protection (kW)
- ▲ Efficient power save mode
- ▲ mains and generator closed via front panel
- ▲ 4 configurable DC outputs
- ▲ 4 configurable analog./digital inputs
- ▲ 6 configurable digital inputs
- ▲ Support for 0-10 V & 4-20 mA oil pressure sensors
- ▲ Configurable staged loading outputs
- ▲ CAN, MPU and alternator speed sensing in one variant
- ▲ 3 engine maintenance alarms
- ▲ engine speed protection
- ▲ Engine pre-heat
- ▲ Multiple date and time scheduler
- ▲ Engine idle control for starting & stopping
- ▲ Fuel pump control
- ▲ Battery voltage monitoring
- ▲ Start on low battery voltage
- ▲ Configurable remote start input
- ▲ alternative configuration
- ▲ alarm including common alarm, common electric and common shutdown
- ▲ LCD and LED alarm indication
- ▲ Configurable event log (50)
- ▲ Heated display option available



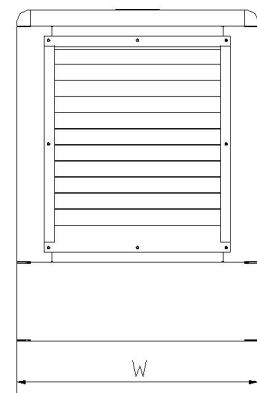
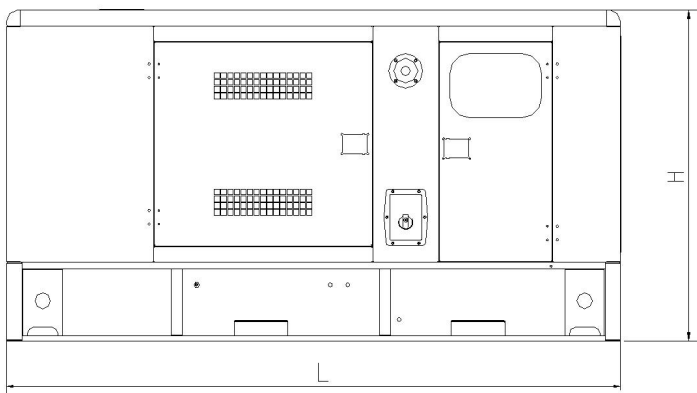
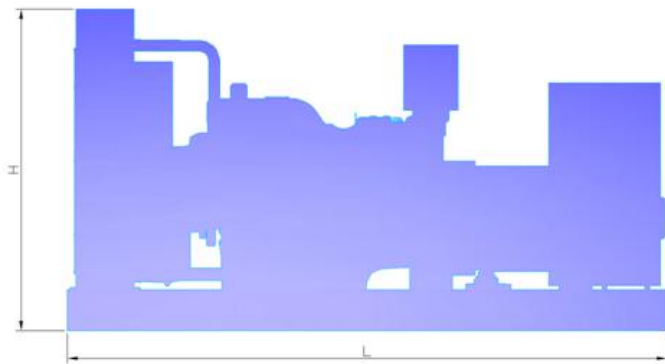
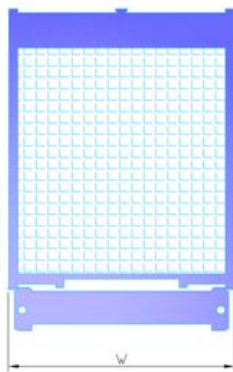
☆ *For more information, please visit the [Deep Sea Controls website](http://www.deepsecontrols.com)*

# WARRANTY POLICY

1. Standard Warranty for one year or 1000 hours (whichever comes first) from initial sales date to the end user. Refer to UQ-Power Diesel Generator Warranty manual for more details.
2. Maintenance parts (filters, belts, hoses, batteries), improper operation or maintenance failures are excluded from the warranty policy.



Open unit (LXWXH) MM 3300x1150x2100 --Weight KG=3190  
Enclosed unit-Silent type (LXWXH) MM 4200x1500x2100-- Weight KG=4300



**UQ-POWER**  
Energy Equipment  
3875 Duck Creek Dr.  
Stockton, Ca. 95215  
(800) 760-9598 [www.UQ-Power.com](http://www.UQ-Power.com)