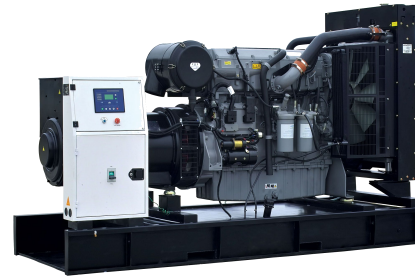


Model-PE600



Optional Sound Attenuated enclosed unit shown



open unit shown

*Drawing above for illustration purposes only

I . GENERAL DATA

Prime Power	kW/kVA	560	700	
Standby Power	kW/kVA	600	750	
Frequency	Hz/rpm	60	1800	
Voltage	V	480	277	
Current	A	842		
Connection	/	3P4W / Y		
Rated Power Factor	/	0.8		
Open Type (L×W×H)	mm	3300×1150×2100	in	129x45.3x82.7
Open Type(Weight)	kg	4050	LBS	8929
Silent Type (L×W×H)	mm	5000×2000×2500	in	197x78.7x98.4
Silent Type(Weight)	kg	5600	LBS	12345

- Available in the following voltages 120/208, 277/480,120/240 (both single and three phase)
- All data based on ISO 3046, altitude 100m (328.1ft), barometric pressure 100kPa (29.53inHg), air temperature 25°C (77°F), relative humidity 30%.
- Please contact with UQ-Power engineer for correct generator capacity selection when the load application can't 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.
Alternator	Yanan brushless AC alternator
Radiator	40°C, fan protective shroud
Base frame	Base mounted fuel tank, anti-vibration pads, battery holder
	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
Start Battery	Lead Acid- battery, battery connection cables.
Installation Accessories	Flex exhaust bellows, Elbow and flange, Exhaust silencer, etc.
Documents	Electrical drawings, operation & maintenance manual, certification etc.

Optional Available Equipment

Engine accessories	◇ Heavy-duty air filter ◇Coolant heater ◇Lube oil heater ◇Fuel and Water Separator
Cooling system	◇50°C radiator ◇Heat exchanger + water cooling tower + External water circulation pumping system + Remote horizontal water tank system
Control System	◇Other Deep Sea or Comap or Controls Inc
Circuit Breaker	◇ABB 2, 3 and 4 pole thermo-magnetic
Automatic Transfer Switch	◇ATS- available in Nema 1 and 3R, 2 and 3 pole
Fuel Tank	◇Standard tank 8 hour run time single wall tank, optional UL142 double wall tank available in 8, 12, and 24hour sizes.

IV. ENGINE DATA

Engine Model	2806C-E18TAG3	Engine power	678	kW
Aspiration	turbocharged, air to air charge cooling	Displacement	18.13	L
Type	Vertical in-line	Bore×Stroke	145×183	mm
No. of Cylinders	6	Compression Ratio	14.5:1	
Governor Type	Isochronous	Rated Speed	1800	RPM

■ Fuel System

Prime power Fuel consumption	145	l/h	Standby power Fuel consumption	158	l/h
Fuel #	0# Diesel		Injection System	MEUI	

■ Lubrication System

Lub Oil Capacity	62	L	Lub Oil Consumption	0.145	l/h
Lub #	API CF-4 15W40		Max.Temperature	113	°C

■ Coolant System

Coolant Capacity	61	L	Max. Top Tank Temp.	103	°C
Std. Thermostat (Modulating) Range	88-98	°C	Fan Drive Type	Shaft drive	
Exhaust air volume	852	m ³ /min	Fan Power	15	kW

■ Air Intake System

Air intake capacity	49/52	m ³ /min	Air Pressure	3.7	kPa
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■ Exhaust System

Exhaust Gas Flow	130/141	m ³ /min	Max. Back Pressure	6.9	kPa
Exhaust Gas Temp.	≤554	°C	Exhaust pipe size	φ202	mm

■ Starting System

Start Mode	Electric start	Battery	150x2	Ah
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V. ALTERNATOR DATA

Alternator Model	SLG354E	Rate Power	600/750	kW/kVA
PF.	0.8	Voltage	480/277	V
Phase	3	Frequency	60	Hz
Connection	3P 4W / Y	Bearing	1	
Winding Pitch	2/3	Proteccion Class	IP21	
Insulation Class	H/H	Efficiency	95.00%	
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 nonelectronic MPU and alternator sensing engine support for diesel, gas and petrol engines all in one variant. With a number of flexible inputs, outputs and protections, the modules can be easily adapted to suit a wide range of applications.



■ Key Function

- ▲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 official website*

WARRANTY POLICY

1. Standard limited warranty for two year or 2000 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 and maintenance failures are excluded from the warranty policy.

