

Model : SQD500 (S)

Standby Power (50Hz)	500KVA/400KW
Prime Power(50Hz)	450KVA/360KW

## Standard Features

- Engine: Doosan DP158LC
- Charge Alternator: 24V
- Governer: Electronic
- Generator: Stamford HCI544C
- Single Bearing Alternator IP23
- Insulation Class H/H
- Genuine radiator with engine driven fan
- Skid and vibration isolators
- Dry type air filter
- Main line circuit breaker (Below 500KVA)
- 12V battery and cable
- User's manual



## Weight And Dimensions

Genset	Dimensions(LxWxH)	Weight (KG)
Open type	3150mmx1090mmx1750mm	3380
Silent type	4630mmx1660mmx2250mm	5360

## Generator Ratings

Voltage	Hz	Phase	Power Factor	Standby (KVA/KW)	Prime (KVA/KW)
400/230	50	3	0.8	500/400	450/360

## Criterion

- Generator sets: GB/T2820-1997, ISO9001: 2008
- Alternator: BS5000, VDE0530, NEMA MG1-32, IEC34, CSAC22.2-100, AS1359
- Diesel Engine: ISO3046, DIN6271



## Engine Data

• Manufacturer/Model	Doosan DP158LC
• No.of Cylinders	8
• Displacement	14.618L
• Bore and Stroke	128*142(mm)
• Compression ratio	15:1
• Rated RPM	1500rpm
• Max.standby power at rated 1500RPM	449KW
• Rotation	Counter clockwise viewed from Flywheel
• Governor	Electric type
• Exhaust Gas Flow @Standby Rating	88m3/min
• Exhaust Temperature @Standby Rating	529°C
• Intake Air Flow@Standby Rating	30.1m3/min
• Feed pump	Mechanical type in injpump.
• 100%(Prime Power) Load	99.6Liter/H
• Fuel feed pump Capacity	315 liters / hr
• Coolant Capacity	Engine Only : Approx. 20 lit, With Radiator(*Air On 43°C) : Approx 79 lit.

## Alternator Data

• Manufacture/Type	Stamford/HCI544C
• Number of phase power	3
• Factor	0.8
• Pole Number	4
• Bearing Number	1
• Exciter Type	Brushless, self-excited
• Insulation Class	H/H
• Protection	IP23

## Control Panel



- Auto Module Control Panel, usually adopt control module of UK Deepsea DSE 6020 or Equal, is the configuration for nobody on duty generators control, This kind of panel adopts auto module control system, with large LCD display to show the menu.
- Features: receive remote output signal from ATS and realize auto start and stop of generators.
- Auto Mains Failure controller, can realize further more can detect ATS and control directly.





- Automatic Parallel Control Panel usually adopting intelligent control module of UK Deepsea DSE8610 or equal, this new automatic parallel system is inserted and folded installed, no need the peripheral relay and logic circuit. The main switch adopts electronic breaker or frame breaker, combined together with the generator, which is very reliable. One generator, one panel. The panel can be used both for single genset working or Gensets Parallel working. This kind of panel also can be used to parallel generator when the capability of the power plant needs to be enlarged in the future.

## Optional

Engine	Alternator	Fuel System	Control System
<ul style="list-style-type: none"> <li>• Pre-heater</li> </ul>	<ul style="list-style-type: none"> <li>• Anti Condensation Heater</li> <li>• Drop CT (For Paralleling)</li> </ul>	<ul style="list-style-type: none"> <li>• Daily Fuel Tank</li> <li>• Water Separator</li> </ul>	<ul style="list-style-type: none"> <li>• Remote Control Panel</li> <li>• Auto Transfer Switch (ATS)</li> <li>• Paralleling System</li> <li>• Electricity Output Cabinet</li> </ul>

## Others

- Rainproof Type
- Soundproof Type
- Trailer Type
- Container Type
- Spare Parts



## Warranty

- Warranty is according to our standard conditions: 12 months or 1,200 running hours, subject to the earlier one. And what's more, Doosan gensets enjoy world-wide united Warranty from Doosan engine agency or service centre at the client's local side.
- Service and parts are available from Guangzhou Sanq Power Equipment Co.,Ltd or our distributors in your location.

