

**GSP (Green Super Power) generator sets are fully integrated power generation systems providing optimum performance, reliability and versatility for standby and prime power application.**

| OPERATION | GENSET POWER |      | VOLTAGE | FREQUENCY | ENGINE MODEL | Dimensions (mm) |   |   | Weight (KG) |
|-----------|--------------|------|---------|-----------|--------------|-----------------|---|---|-------------|
|           | KVA          | KW   |         |           |              | L               | W | H |             |
| STAND BY  | 1650         | 1320 | 230/400 | 50 Hz     | 4012-46TAG2A | 40 HQ           |   |   | 14000       |
| PRIME     | 1500         | 1200 |         |           |              |                 |   |   |             |



**Engine**

|                       |                         |   |            |
|-----------------------|-------------------------|---|------------|
| Maker                 | Perkins                 | Frequency regulation, steady rate       | ≤1%        |
| Model                 | 4012-46TAG2A            | Governor                                | Electronic |
| Cylinder/Arrangement  | 16 V                    | Cooling System                          | Water      |
| Displacement          | 45.842                  | Exhaust Temp (°C)                       | N/A        |
| Bore and Stroke       | 160 x 190               | Engine Oil Capacity                     | 177 L      |
| Compression Ratio     | 13.6 : 1                | Coolant Capacity                        | 210 L      |
| Rated Speed           | 1500 rpm                | Fuel Cons-pt (100%) load @ Prime rating | 280        |
| Engine Air Flow       | 120 m <sup>3</sup> /min | (75 %)load                              | 210        |
| Exhaust Back Pressure | N/A                     | (50 %) load                             | 140        |

**Green Super Power Co., Ltd.**

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 Email: sales@gsp.com.mm

**Alternator**

|                   |                   |                  |        |
|-------------------|-------------------|------------------|--------|
| Maker             | Stamford (PI734C) | No of Pole       | 4      |
| No of Phase Power | 3                 | No of Bearing    | 1      |
| Power Factor      | 0.8               | Coupling         | Direct |
| Exciter Type      | Brushless SHUNT   | Insulation class | H      |
| Protection        | IP 23             | Temperature Rise | H      |

**Control Panel**

The **DSE 6020** was made in UK by Deep Sea Electronics. The module was used to monitor a main supply, start and stop operation, engine performance, alternator performance, AC power output, fuel consumption via Micro-processor for generation set. Easy push button operation with LED display which can show as following features:



**Generator Voltage (L-L/L-N)**

**Frequency (Hz)**

**Ampere (L1, L2, L3)**

**Engine Running Hr**

**Generator History tracking for faults**

**And many more features.**

**Oil Pressure**

**Power rating (KW/KVA)**

**Battery Voltage**

**Fuel Consumption**

**Alarms System**

**Warranty:** GSP provides extensive warranty services and plan for our value customers in Myanmar. You can expect fair and consistent support from GSP. Our standard warranty is 1 year or 1500 running hours after purchase whichever is earlier.

**Prime Power:** Power available at variable load factor not exceeding 80% of the prime power rating. Overload of 10% is permitted for 1 hour in every 12 hours operation.

**Standby Power:** Power available in the event of a main power failure up to a maximum of 500 hours per year of which up to 300 hours may be run continuously. Load factor may be up to 100% of standby power. No overload is permitted.

**P.S:**

**All information in this document is substantially correct at the time of printing and may be altered subsequently.**

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