

**SPU Power Generator Sets**

Powerful Solutions !

SPU 2500/2750

Utility Grade Package

**Stationary Power Generation Module Model SPU 1500, 2000 & SPU 2500**

Designed to give you years of trouble free service, the SPU Stationary Power Unit defines reliability and efficiency.

Low Speed, high efficiency, excellent reliability, lower operational and maintenance cost and lower emissions are the key design features of the SPU line of generator sets.

The SPU is offered in four models with continuous ratings of 1500KW, 2000kW, 2500KW and 3000KW, while maintaining an additional power reserve of 10% for standby requirements Each unit is capable of taking block loads of one hundred and ten percent of the continuous output rating.

SPU generator sets are rugged and specifically designed for service in heavy duty industrial and utility power applications. These units are the optimal choice of equipment for standby or continuous duty requirements of 1.5 Kilowatts to 50 Megawatts or more.

The advanced "Standard" control features of the SPU unit provides full local and remote operation and monitoring features for single or multiple unit installations.

These exceptional features, combined with our world class parts and support, make the SPU Stationary Power Generation unit the best choice for any critical power needs.

**Specifications – Model SPU 11500kW, 2000kW, 2500kW, & 3000kW Generator Sets**

**Technical Information Common to all**

**SPU Model Generator Sets**

**Engine**

Manufacturer . . . . . GM/EMD  
 Type . . . . . 2 Cycle, V-45  
 Fuel Type . . . . . Diesel, Natural Gas, Dual Fuel  
 Model . . . . . Series 645 & 710  
 Number of Cylinders . . . . . 8, 12, 16 & 20 Cylinder  
 Bore . . . . . 9 – 1/16" inch  
 Stroke . . . . . X 10 inch  
 Displacement . . . . . 645 cubic inches  
 Piston Speed . . . . . 1,500 ft. / min  
 Engine Speed . . . . . 900rpm  
 Governor . . . . . Electronic - Woodward - EG  
 Starting Motor . . . . . Air or DC  
 Control Power . . . . . 120VAC & 24VDC

**Generator**

Manufacturer . . . . . Baylor  
 Type . . . . . Brushless, insulated single roller bearing  
 Insulation . . . . . NEMA Class F

Construction . . . . . Vacuum Pressure Impregnation  
Enclosure . . . . . Drip Proof Temperature Rise (continuous @ .7  
PF) . . . . . 80 degrees C  
Exciter . . . . . PMG  
Voltage Regulator . . . . . Basler, SSR-12  
Electrical Rating . . . . . 1500kW, 2000kW, 2500kW & 3000kW cont.  
Weight . . . . . 18,700 lbs

**Controls**

Digital/PLC/HMI with manual & hot back up - . . . . . Complete  
Engine, Generator and Utility  
Grade Protection Package with Remote  
Controls and Alarming Package and  
Advanced Operations and Maintenance  
Program System and Software

**Weights and Dimensions**

Length . . . . . 28 feet  
Width . . . . . 6 feet  
Height . . . . . 9 feet 6 inches  
Weight . . . . . 79,000 lbs

**For further information, please refer the following SPU Models:**

- SPU 1500/1650 - diesel or gas
- SPU 2000/2200 - diesel or gas
- SPU 2500/2750 - diesel or gas
- SPU 3000/3300 - diesel or gas