

KDG8500S Diesel Generator (With i-AVR Technology)



Intelligent Automatic Voltage Regulator (i-AVR) is a microprocessor controller. AVR adjustments are driven off the PMG generator versus a sensor winding in traditional AVR systems.

It can also communicate with your computer with a UART-RS232 interface. This allows the generators data: including voltage, current, and battery voltage to be seen from computer.

Microprocessor, better integration and reliability.

- ✓ Parameter monitoring: voltage, current, frequency, output power, running hours, excitation voltage and excitation current output.
- Soft start function.
- ✓ Over excitation limiting protection (OEL).
- ✓ Protections: genset over voltage, AVR over voltage, low frequency, over current.
- ✓ Parameter regulation (voltage/frequency).
- ✓ Real time monitoring: generator voltage, excitation voltage & secondary winding voltage.
- ✓ Protections: over output voltage, high/low frequency, i-AVR overheating.
- ✓ All parameters can be regulated through digital adjustment.
- ✓

	KDG8500S	KDG8500S-115/230
<u>Generator set -</u>		
Rated frequency	50Hz	
Rated power	6.5 kW	
Max. power	7.0 kW	
Rated voltage	230 V / 115/230V	
Rated current	56.5/28.2 A	
Rated rotation speed	3000 r/min	
<u>Generator</u>		
Pole No.	2	
Phase number	Single Phase	
Excitation mode	Self-excitation and constant voltage (with i-AVR)	
Power factor (COS)	1.0	
Insulation grade (mm)	F	
<u>Engine</u>		
Engine type	HR195FD	HR195FD
Structure type	Single cylinder, vertical, 4-stroke, air-cooled diesel engine	
Bore x stroke	92x75 mm	
Rated power	6.5 kW	
Combustion system	Direct Injection	
Lube oil brand	Above	
Lube capacity	1.65 L	
Starting System	12V Electric Stater	
Charging generator capacity	12V	
Fuel consumption ratio	275.1 g/kW.h	
Fuel type	Diesel:0#(summer, -10#(winter),35#(chillness)	
Fuel Tank Capacity (L)	16L	