

## PERMANENT MAGNET (PM) GENERATOR MODEL DMT 5300S

### Variable Speed Liquid Cooled 200kW PM Generator 98% peak efficiency – Zero Cogging

Danotek Motion Technologies introduces a Patent Pending, thermally optimized high power density PM Generator for Energy Efficient power generation systems. With 98% max efficiency the generator offers improved performance and lower operating cost. The Generator's light weight and unique reluctance design characteristics provide close to zero cogging torque making it a prime candidate for wind turbines, co-generation and distributed power systems. Ideal for inverter/rectifier application, the generator is designed with bearing current shunt, high quality Class H insulation material and robust mechanical systems that greatly improves reliability and durability.

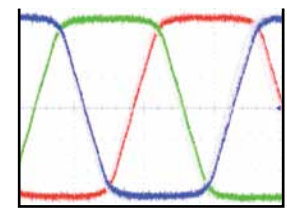
Danotek offers the generator as a stand alone product or with an optional inverter/rectifier system. Custom mounting interface, output voltages, speed range, cooling system and enclosure styles can be accommodated.

#### Recommended Applications:

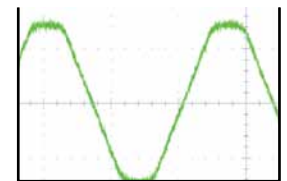
- Wind Power turbines, CHP, Co-generation, hydro-generators
- Variable speed Gensets – Diesel, LPG, Gasoline, LS turbines
- Mobile, stationary
- Commercial, Military, Marine, Industrial



#### PMG OUTPUT VOLTAGES



V-LN

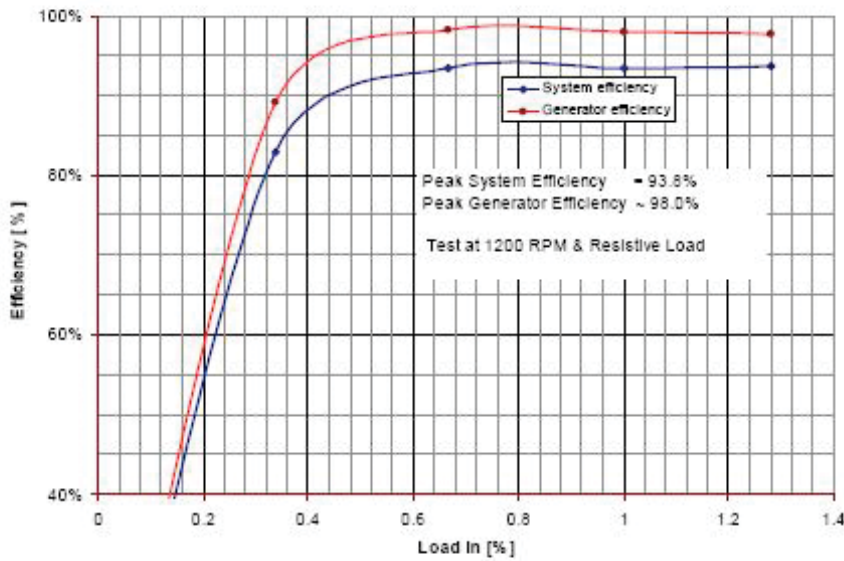


V-LL

GENERATING A CLEAN AND EFFICIENT FUTURE

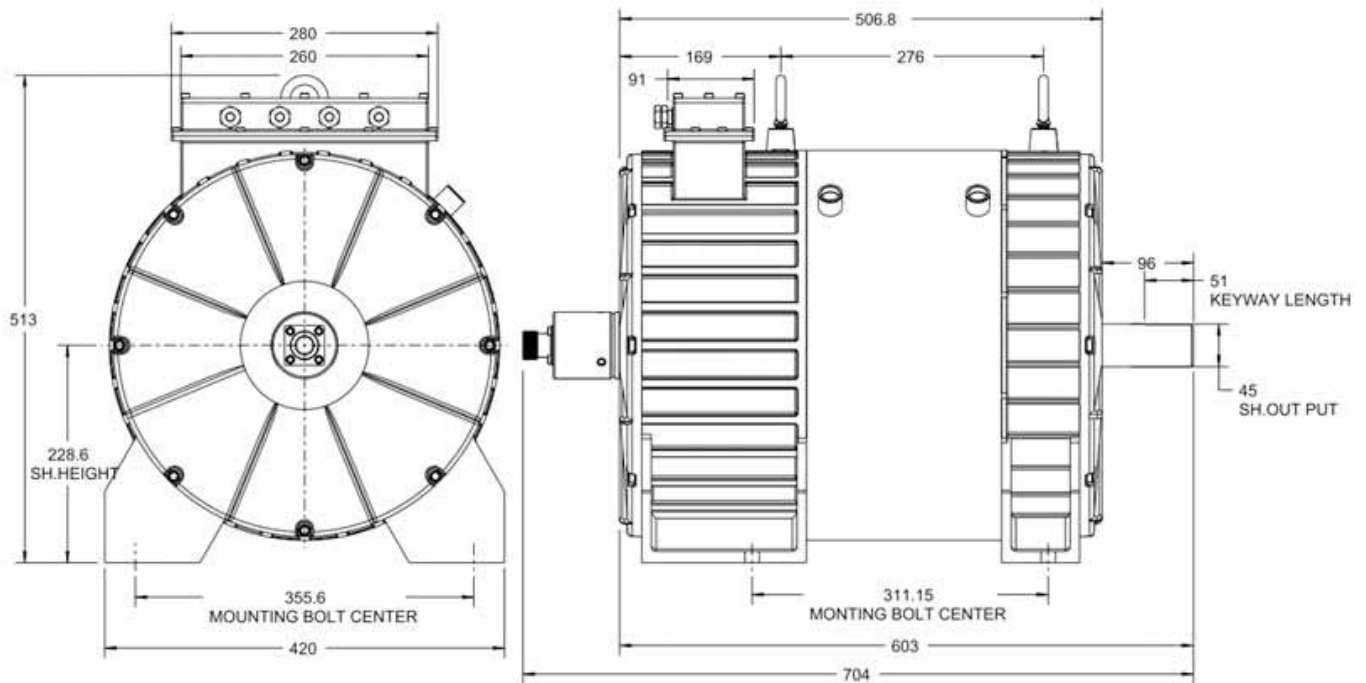


**MODEL 5300S**  
EFFICIENCY CURVES FUNCTION OF LOAD



**General Specifications**

V Gen (AC rms)	Up to 800V
Output (inverter)	690/480Vrms
Max Speed	5000 RPM
Peak Efficiency	98%
P-max (4k rpm)	200 kW
Power Factor	0.99
Op Ambient Temp	-40° to +55° C
Cooling	Water/Glycol
Mounting & Shaft	SAE 3 or Custom
Bearing	High Load
Enclosure	TENV
L X D (mm)	500 x 450



AN ALTERNATIVE ENERGY TECHNOLOGY COMPANY  
ADVANCED MOTORS • GENERATORS • POWER CONTROLS

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