

PERMANENT MAGNET (PM) GENERATOR MODEL DMT 6300S

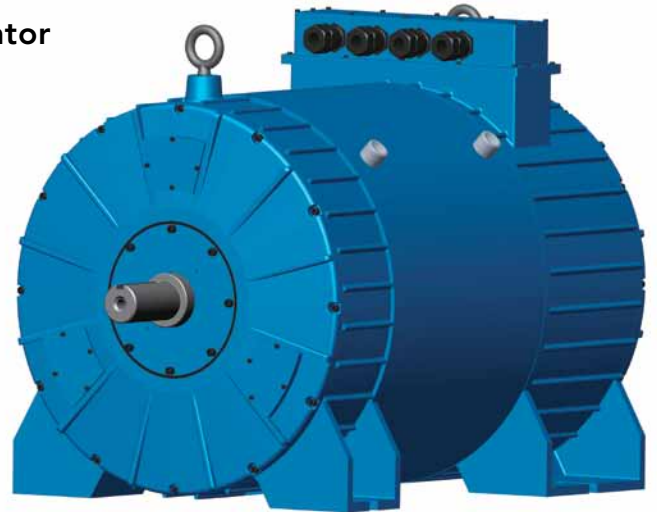
Variable Speed Liquid Cooled 1.5MW PM Generator 98% peak efficiency – Zero Cogging

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 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. The generator set also includes optional bearing removal and auto lubrication systems.

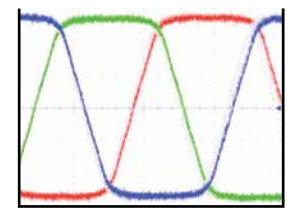
Danotek offers the generator as a stand alone product or with an optional inverter/rectifier system. Custom mounting interface, output voltages, speed range, cooling system and enclosure styles can be accommodated.

Recommended Applications:

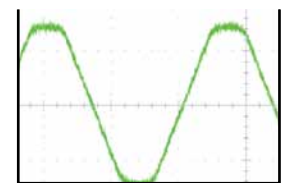
- Wind Power turbines, CHP, Co-generation, hydro-generators
- Variable speed Gensets – Diesel, LPG, Gasoline, LS turbines
- Mobile, stationary
- Commercial, Military, Marine, Industrial



PMG OUTPUT VOLTAGES



V-LN



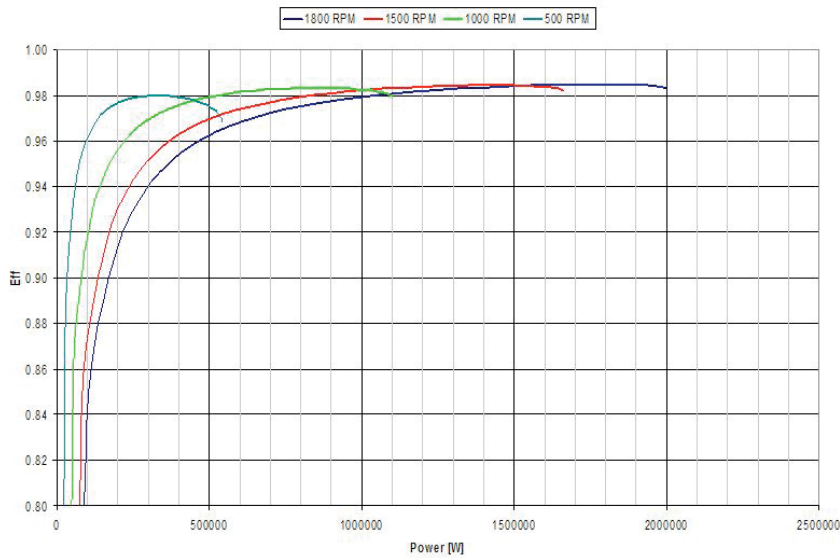
V-LL

GENERATING A CLEAN AND EFFICIENT FUTURE



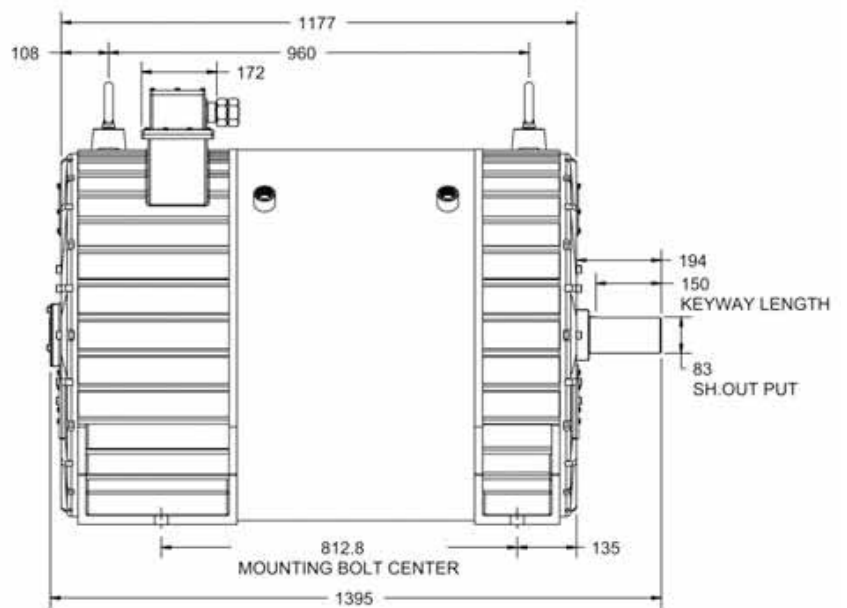
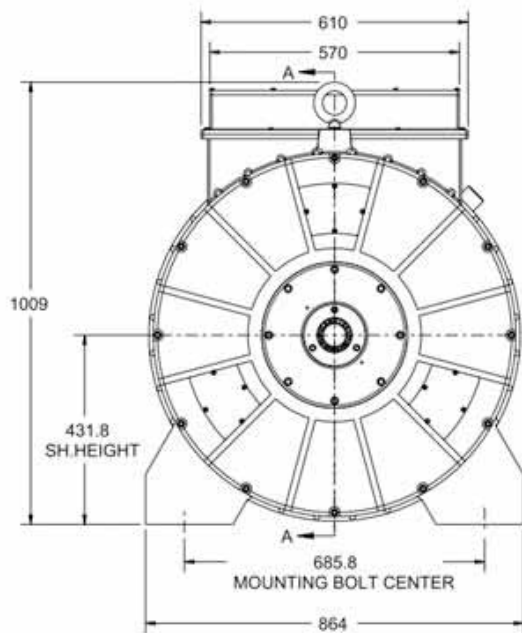
MODEL 6300S

EFFICIENCY CURVES FUNCTION OF LOAD



General Specifications

V Gen (AC rms)	Up to 800V
Max Speed	3000 RPM
Peak Efficiency	98%
P-max (1.8k rpm)	1.5 MW
Power Factor	0.99
Op Ambient Temp	-40° to +55° C
Cooling	Water/Glycol (optional air)
Mounting & Shaft	NEMA or Custom
Bearing	High Load
Enclosure	TENV



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