DATA SHEET – SDA-400					
Load Bank	**SDA-400 Series, Load Bank**				
Load Bank Type	**AC** – RESISTIVE & INDUCTIVE				
Application Voltage, Phase and Frequency	Rating	Voltage	Phase	Frequency	Min. Step
	400 KW	**120 & 235 L-N VAC**	No: **3 PH, WYE**	**400-800** Hz	**13** Watts
	215 KVar				**31** Var
Dual Voltage Operation – B787 and A350 Aircraft Generators	**Automatic Change over Control for 115VAC and 235VAC L-N Operation.** **Additional 135 KVAr Load steps for 787 VFSG Overload tests.**				
Load Application	**Balance and Unbalance load between all 3 phases.** **PMG Load application**				
Load Step configuration	**Fine and Coarse Resistive & Inductive Load steps per phase control for precise load set point with 0.7 PF**				
Power Factor	**0.7**				
Controls	Per Load steps/phase controls via Relay and contactors Digital Controls using In-Built PLC PLC Modbus address of Load steps to integrate with Customer DAQ control system.				
Optional Controls	Measurements (Voltage and Current) 400Hz rated Current transformers to integrate with customer DAQ control system.				
Optional Features	1. Hand Held Color Touchscreen HMI - 10 ft cable provided 2. PC Control – Testcraft SW 3. Step down transformer & integrated control for 777VSCF Generator Testing.				
Safety	Over-temperature protection				
	Cooling Air Pressure Sense				
	External safety integration provision				
	Load Dump with Alarm				
	E-Stop				
Cooling System	Forced Air-cooling				
Air Flow (CFM)	**12,000 CFM**				
Direction of Air Flow	**Vertical**				
Heater Element	High capacity Nichrome load elements fully supported with stainless steel rods insulated using high-temperature ceramics				
Inductor	120VAC, 400Hz Rated, Copper wound				
Duty Cycle	Continuous Duty				
Enclosure	Steel (Powder coated) – Indoor				
Optional - Enclosure	Outdoor install enclosure with overhead Hood to protect from Rain				