



、 HYBRID UAV PROPULSION SYSTEMS



## LaunchPoint Technologies 45kW Gen-Set Rated 48kW maximum output at 6000 rpm

Parameter	Units	Value
Nominal bus voltage (@ 6000 rpm)	Vdc	200
Continuous Power (@ 6000 rpm, sea level, 25C ambient)	kW	40
Max Power (@ 6000 rpm, sea level, 25C ambient)	kW	48
Engine		Rotax 582
Engine Fuel		Gasoline
Combustion Cycle		2-stroke
Engine cooling		liquid
Fuel Consumption (@ 45 kW, 6000 rpm)	gm/kW*hr	390
System Mass (engine, ignition, alternator)	kg	35
<b>Alternator Specifications</b>		
Efficiency (@ 40kW, 6000 rpm)	percent	96%
Alternator cooling		air
Stator temp (@ 40 kW, 6000 rpm, 25C ambient, sea level)	Deg C	tbd
Max RPM	rpm	6000
Max Power at Max RPM	kW	48
Mass (rotor, stator, frame)	kg	5.5

Preliminary Data Sheet – Specifications Subject to change