

Common Operating Load	Lightning / Ulysses		Firebolt (twin hi-beam)	
Components	Watts	Amps	Watts	Amps
Headlights (Hi Beam)	55.00	4.58	110.00	9.16
License Plate lamp	5.00	0.37	0.00	0.00
Brake +Tail Light (21+5)W	26.00	2.17	26.00	2.17
Instrument Panel	7.00	0.50	7.00	0.50
Computer	25.00	2.08	25.00	2.08
Fuel Pump	72.00	6.00	72.00	6.00
Cooling Fan	72.00	6.00	72.00	6.00
Electronic Ignition	50.00	4.18	50.00	4.18
Euro Running Light	3.00	0.25	3.00	0.25
Indicators (1 side)	20.00	1.48	20.00	1.48
Max Operating Load (Nom 12V)	335.00	27.61	385.00	31.82
Assume Power Rating at 13.5V	Charging system drops to 13V at high current			
Max Operating Load (13.5V)	335.00	24.81	385.00	28.52
Max Operating Load (13V)	310.64	23.90	357.01	27.46
Heated Grips at 13V	42.25	3.25	42.25	3.25
Alternator @3000 rpm at 13V				
Min Specification	442.00	34.00	442.00	34.00
Max Specification	494.00	38.00	494.00	38.00
Excess capacity (no heaters)				
Min	131.36	10.10	84.99	6.54
Max	183.36	14.10	136.99	10.54
Excess capacity (with heaters)				
Min	89.11	6.85	42.74	3.29
Max	141.11	10.85	94.74	7.29
Excess capacity (30A Fuse)				
Without Heated Grips	79.36	6.10	32.99	2.54
With Heated Grips	37.11	2.85	-9.26	-0.71