

SV Ontario Load Analysis

Max Draw					Day			Evening			Night		
System	Device	Quantity	Amps	Total Amps	Hours	Ah	Total Ah	Hours	Ah	Total Ah	Hour	Ah	Total Ah
24v Systems													
Cabin Lighting	Bunk Lights	2	0.5	1	1	1	1	2	1	2	2	1	2
	Area Lighting	6	0.75	4.5	1	4.5	4.5	1.5	4.5	6.75	1	4.5	4.5
	Head Lighting	2	0.5	1	3	1	3	3	1	3	3	1	3
Deck Lighting	Spreader Lights	4	1	4	0	4	0	4	4	16	4	4	16
	Courtsey Lighting	12	0.1	1.2	0	1.2	0	2	1.2	2.4	8	1.2	9.6
Pilot House	Courtsey Lighting	2	0.1	0.2	0	0.2	0	4	0.2	0.8	5	0.2	1
	Area Lighting	1	0.75	0.75	0	0.75	0	4	0.75	3	4	0.75	3
	Chart Table	1	0.5	0.5	0	0.5	0	3	0.5	1.5	0	0.5	0
Galley	Refrigeration	1	2	2	3	2	6	3	2	6	3	2	6
	Galley Lighting	2	0.5	1	2	1	2	3	1	3	2	1	2
Water Systems	FW Pump	1	6.25	6.25	0.25	6.25	1.5625	0.25	6.25	1.5625	0.25	6.25	1.5625
	Toilet Pump	2	6.25	12.5	0.25	12.5	3.125	0.25	12.5	3.125	0.25	12.5	3.125
	Toilet	2	10	20	0.25	20	5	0.25	20	5	0.25	20	5
Total Ah @24v							26	54			57		
Total Wh							629	1,299			1,363		
12v Systems--Always On													
Navigation	Chartplotter/GPS	1	2	2	8	2	16	8	2	16	8	2	16
	AIS	1	0.25	0.25	8	0.25	2	8	0.25	2	8	0.25	2
	Instruments	1	1	1	8	1	8	8	1	8	8	1	8
	Radar	1	2	2	8	2	16	0	2	0	0	2	0
	Nav Lights	3	0.05	0.15	0	0.15	0	2	0.15	0.3	8	0.15	1.2
Communication	VHF	2	1.5	3	8	3	24	8	3	24	8	3	24
	Cell Booster	1	1	1	8	1	8	8	1	8	8	1	8
	PA	1	0	0		0	0		0	0		0	0
Systems & Safety	Tank Monitoring	6	0.1	0.6	8	0.6	4.8	8	0.6	4.8	8	0.6	4.8
	High Water	1	0.1	0.1	8	0.1	0.8	8	0.1	0.8	8	0.1	0.8
	Fire and Smoke	1	0.1	0.1	8	0.1	0.8	8	0.1	0.8	8	0.1	0.8
	CO	1	0.1	0.1	8	0.1	0.8	8	0.1	0.8	8	0.1	0.8
Total Ah @ 12v							81	66			66		
Total Wh							974	786			797		

Totals

137 ah @ 24v
3,291

213 ah @ 12v
2,557 Wh

Total Wh
Total Ah @12v

5,848 Wh
487 Ah