

Item	Comment	Amps	ON	At Anchor Hrs/Day	At Anchor A-hrs	Sailing Hrs/Day	Sailing A-hrs
Salon cabin lights		10	1	4.0	4.0	6.0	6.0
Galley light			0.8	4.0	3.2	2.0	1.6
Head Light			1	1.0	1.0	1.0	1.0
LED reading lamp			0.3	6.0	1.8	3.0	0.9
Running Lights			1.6	0.0	0.0	10.0	16.0
Bow Light			1	0.0	0.0	0.0	0.0
Anchor Light			0.8	12.0	9.6	0.0	0.0
Masthead Light			0.8	0.0	0.0	10.0	8.0
Foredeck Light			0.8	0.0	0.0	0.5	0.4
Deckwash pump	(est. Flojet 4.5gpm)		6	0.2	1.2	0.0	0.0
Showersump pump			4	0.2	0.8	0.1	0.4
bilge pump	.1 auto		7	0.1	0.7	0.1	0.7
water Pressure	.2 standby		7.5	0.5	3.8	0.5	3.8
FM Radio/CD Player	.2 standby		1	5.0	5.0	5.0	5.0
VHF handheld charger			0.2	1.0	0.2	1.0	0.2
LP Gas			0.9	2.0	1.8	1.0	0.9
Refrigerator Compressor	Guessing Hours		6	10.0	60.0	10.0	60.0
Fans		3	1.1	6.0	6.6	6.0	6.6
Radar Standby			2	0.0	0.0	0.0	0.0
Radar Active			3.2	0.0	0.0	0.0	0.0
FM Antenna			0.1	0.0	0.0	0.0	0.0
Instruments			0.3	0.0	0.0	24.0	7.2
VHF Receive			0.5	10.0	5.0	24.0	12.0
VHF Transmit			5	0.3	1.3	0.3	1.3
Autopilot			2.5	0.0	0.0	24.0	60.0
Anchor windlass			60	0.2	9.0	0.0	0.0
Washdown Pump			9.9	0.2	1.5	0.0	0.0
Nav Station chart light			0.8	0.1	0.1	8.0	6.4
SSB Receive			1.8	0.0	0.0	0.0	0.0
SSB Transmit			25	0.0	0.0	0.0	0.0
GPS		2	0.1	0.0	0.0	24.0	2.4
Watermaker	Future Purchase		8	0.0	0.0	0.0	0.0
Inverter Standby			0.12	12.0	1.4	24.0	2.9
PC Computer	(laptop + inverter)		10	2.0	20.0	4.0	40.0
Microwave	(1000W + inveter)		104	0.2	20.8	0.2	20.8
Television	(60W + inverter)		6	2.0	12.0	0.0	0.0
Small Inverter			4.7	1.0	4.7	1.0	4.7
Totals					175		269

AT ANCHOR Calculations

	<u>HOURS</u>	<u>AMPS OUT</u>	<u>AmpHours</u>
Wind	6	0	0
Solar Watts	240	6	96
Engine hrs/day:	1.32	60	79.41
Total Supply w/o Engine:			96
<u>Amperage Summary w/o Engine</u>			
Deficit (-)			79.41
Surplus(+)			NA
Days between charge			2
Required battery capacity to 50% DOD			317.62

SAILING Calculations

	<u>HOURS</u>	<u>AMPS OUT</u>	<u>AmpHours</u>
Wind	9	9	81
Solar Watts	240	6	96
Engine hrs/day:	1.53	60	92.08
Total Supply w/o Engine:			177
<u>Amperage Summary w/o Engine</u>			
Deficit (-)			92.08
Surplus(+)			NA
Days between charge			2
Required battery capacity to 50% DOD			368.32