## Electrical Budget Worksheet (Feral International Folkboat) 1 Calculate your DC Loads:

l iahtina		A	Llaur-	Λ Ll /Day :	
Lighting	Running Lights	Amps 0.2	Hours 12	AH/Day 2.4	
	Masthead Tricolor Light	0.2		0.0	
	Anchor Light			0.0	
	Strobe Light	1.0	6	6.0	
	Spreader Lights			0.0	
	Cabin Light (small)	1.0	1	1.0	
	Cabing Light (big incandescent) Cabing Light (flourescent)	)		0.0 0.0	
	Instrument Lights			0.0	
	Handheld Spot Light			0.0	
	Other			0.0	
		Lighting AH		9.4	
Galley		Amps	Hours	AH/Day	
	Refrigeration			0.0	
	Prop Solenoid			0.0	
	Other		ı	0.0	
		Galley AH		0.0	
Electronics		Amps	Hours	AH/Day	
	Autopilot		_	0.0	
	VHF (receive)	0.5	24	12.0	
	VHF (transmit) SSB (receive)	1.5	0.1	0.2 0.0	
	SSB (transmit)			0.0	
	SSB Digital controller			0.0	
	GPS	0.5	24	12.0	
	Instruments			0.0	
	Weather fax receiver			0.0	
	Radar (standby)			0.0	
	Radar (transmit) AIS	0.5	24	0.0 12.0	
	Energy Monitors	0.5	24	4.8	
	Stereo	0.2	24	0.0	
	Computer (screen off)			0.0	
	Computer (screen on)			0.0	
	Computer (serial adapter)			0.0	
	Other			0.0	
		Electronics AH		41.0	
Plumbing		Amps	Hours	AH/Day	
	Fresh Water Pump			0.0	
	Bilge Pump(s)			0.0	
	Other	Plumbing AH	ı	0.0	
		Fluiribility An		0.0	
Inverter		Watts	Hrs/day	AH/Day	
	Microwave			0.0	
	Chargers (nicad)			0.0 0.0	
	Other	Inverter AH	ı	0.0	
	Gross Energy Consumption AH	/Day		50.4	
Alternative	Energy Sources				
	Device	Amps	Hrs/day	AH/day	
	Solar, avg	8.0	7	56.0	two 43 watt fixed panels, plus 3 20 watt
	Wind, avg Water, avg.			0.0 0.0	
	Contribution of AES AH/Day		j	56.0	
Net Energy	/ Consumption, AH/Day			-5.7	
Desired Ho	ours Between Charging			48	
			ļ		
Range of Battery Use				50-85%	For example, from 50-85% state of char
Recommended Battery Capacity				#VALUE!	two 105 amp hour batteries
Alternator Output, Amps				25	
Charge Eff	iciency Factor			0.60	
Minimum N	Inutes to Charge			-45	Assumes alternator runs at full output.