

House Bank Load Calculator and System Requirements				
System	In Use	Amps	Avg Hrs Per Day	Amp-Hrs Per Day
Refrigerator	<input checked="" type="checkbox"/>	5.0	8.0	40.0
Bilge Pump	<input checked="" type="checkbox"/>	5.0	0.5	2.5
Fresh Water Pump	<input checked="" type="checkbox"/>	5.0	0.5	2.5
Shower Pump	<input checked="" type="checkbox"/>	8.0	0.1	0.8
Macerator	<input checked="" type="checkbox"/>	16.0	0.1	1.6
Gas Valve	<input checked="" type="checkbox"/>	0.3	1.0	0.3
VHF Radio	<input checked="" type="checkbox"/>	1.5	8.0	12.0
GPS/Chartplotter	<input checked="" type="checkbox"/>	2.1	12.0	25.2
Radar	<input checked="" type="checkbox"/>	2.8	2.0	5.6
Autopilot	<input checked="" type="checkbox"/>	5.0	5.0	25.0
Nav Instruments	<input checked="" type="checkbox"/>	0.1	12.0	1.2
Running Lights	<input checked="" type="checkbox"/>	5.0	2.0	10.0
Engine Instruments	<input checked="" type="checkbox"/>	0.1	2.0	0.2
Anchor Light	<input checked="" type="checkbox"/>	1.0	12.0	12.0
Cabin Lights (LED)	<input checked="" type="checkbox"/>	0.35	4.0	1.4
Fans	<input checked="" type="checkbox"/>	1.3	12.0	15.6
TV/DVD Player	<input checked="" type="checkbox"/>	4.5	1.0	4.5
Radio	<input checked="" type="checkbox"/>	3.8	8.0	30.4
Large Inverter	<input checked="" type="checkbox"/>	120.0	0.1	12.0
Watermaker	<input type="checkbox"/>	4.0	4.0	
Solar Panels (200W)	<input checked="" type="checkbox"/>	-9.5	5.0	-47.6
Eng Alternator (60 A)	<input checked="" type="checkbox"/>	-45.0	1.5	-67.5
Battery Charger (40 A)	<input type="checkbox"/>	-40.0	2.0	
<b>ON THE HOOK - NO OCCUPANTS</b>				
		<b>CONSUMPTION:</b>	Peak Amps:	11.0
			Peak Watts:	132.0
			Ah per Day:	54.5
		<b>SUPPLY:</b>	Ah per Day:	-47.6
<b>UNDER SAIL</b>				
		<b>CONSUMPTION:</b>	Peak Amps:	195.1
			Peak Watts:	2,341.2
			Ah per Day:	202.8
		<b>SUPPLY:</b>	Ah per Day:	-115.1
<b>ON THE HOOK</b>				
		<b>CONSUMPTION:</b>	Peak Amps:	178.5
			Peak Watts:	2,142.0
			Ah per Day:	123.6
		<b>SUPPLY:</b>	Ah per Day:	-115.1
		<b>Minimum Battery Bank Size:</b>		406
		6V or 12 V Batteries:		6
		Battery AH (20 hr):		230
		# of Batteries:		4
		<b>Amp Hours of Bank:</b>		460
		30% of Bank:		138.0
		20% of Bank:		92.0

\*Duracell Golf Car Batteries - Group Size EGC2 - Sam's Club