For more information please contact (PLEASE HAVE THIS PAGE AVAILABLE FOR DISCUSSION)

Sales Consultant

OR

Store Phone Number

1  Check Amps power rating on inverter model
2  A charge of up to 15 hours is recommended when delivering 10-20 Amps to a standard deep cycle battery. Delivering more than 20 Amps will generally recharge the battery faster.

= (d) + (h) + (i) (A)

=DAILY POWER DEMAND (AH) =

= (A) x 1.3

ASSUMING %30 SAFETY MARGIN

TOTAL DAILY POWER DEMAND (AH) =

An inverter will be needed to run the 240V appliances

POWER INVERTER

= (h) x 0.15

Brand / Model

Amp Hours (AH)

per day @ 12VDC

= (l)

TOTAL POWER DEMANDS

Work out the power needed for 12V appliances

12V POWER DEMANDS

<table>
<thead>
<tr>
<th>12V Appliances</th>
<th>Brand / Model</th>
<th>Number of appliances</th>
<th>Amps per appliance</th>
<th>Amps = Watts ÷ 12</th>
<th>Average hours of use per day</th>
<th>Amp Hours (AH) per day @12VDC</th>
</tr>
</thead>
<tbody>
<tr>
<td>REFRIGERATION</td>
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<tr>
<td>LIGHTING</td>
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<td>TELEVISION</td>
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<tr>
<td>DVD / CD / RADIO</td>
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<tr>
<td>AIR COMPRESSOR</td>
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</table>

SUB TOTAL = (d)

Don’t forget to add 30% extra power for safety!

BATTERIES REQUIRED

Daily Battery Capacity (AH) to 80% Depth of Discharge

Number of Days Until Recharge (Daily = 1)

Total Power Required Until Recharge (AH) = (l) x (c)

Battery Description

Battery AH Rating

Number of Batteries Required

Total Battery Capacity Amp Hours (AH)

= (g) x 0.8

(B)

Total Power Required Until Recharge (AH)2

= (l) x (c)

Battery Description

Battery AH Rating

Number of Batteries Required

Total Battery Capacity Amp Hours (AH)3

(1) Deep cycle batteries should not be discharged below 20% state of charge  (2) Total should not exceed 460AH  (3) Total should be greater than (D)

Choose quality batteries that will provide enough power

BATTERIES REQUIRED

(1) = (b) - 0.8

(2) = (l) x (c)

Total Battery Capacity Amp Hours (AH)

= (d) + (h) + (i)

POWER INVERTER

= (h) x 0.15

Brand / Model

Amp Hours (AH)

per day @ 12VDC

= (l)

TOTAL POWER DEMANDS

Work out the power needed for 240V appliances

240V POWER DEMANDS (FOR USE WITH POWER INVERTER)

<table>
<thead>
<tr>
<th>240V Appliances</th>
<th>Brand / Model</th>
<th>Number of appliances</th>
<th>Amps per appliance</th>
<th>Amps = Watts ÷ 240</th>
<th>Average hours of use per day</th>
<th>Amp Hours (AH) per day @12VDC</th>
</tr>
</thead>
<tbody>
<tr>
<td>REFRIGERATION</td>
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</table>

SUB TOTAL = (h)

Choose a charger that will easily recharge your batteries

RECOMMENDED CHARGING METHOD SELECTION GUIDE (Based on recharging a 12 Volt battery over 12-15 hours)

Total Battery Capacity Amp Hours (AH)

Solar Panel

Charger (240 Volt)

Generator (12 Volt)

45 to 55 AH

55 to 70 AH

75 to 85 AH

95 to 115 AH

115 to 200 AH

200 to 400 AH

Greater than 400 AH

Seek assistance from a qualified auto electrical service provider

NOTE: Based on recharging from approximately 30% state of charge. Where multiple charging options are shown, using a higher Amp charger may result in a slightly faster charging time.

BATTERY CHARGING OPTIONS

Type

Brand

Description

CHARGER

GENERATOR

SOLAR PANELS

1 Only one type of charger to be in operation at any one time.
2 A charge of up to 15 hours is recommended when delivering 10-20 Amps to a standard deep cycle battery. Delivering more than 20 Amps will generally recharge the battery faster.

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