

SOLAR CHEAT SHEET

SOLAR PANELS	1.8 Watt 50012	5 Watt 50022	15 Watt 50032	60 Watt Kit 50044	80 Watt 39810	123/130 Watt 39110/39310	165/170 Watt (24 Volt) 39614 / 39624
Weekly Output Watts/Amps	n/a	n/a	735/49	2940/196	3920/229	6027 ; 6370 / 350 ; 368	8085 ; 8330 / 234 : 240
Charge Controller	Not Required	Not Required	7 Amp (60012)	7 Amp (60012)	7 Amp (60012)/ 8.5 Amp (60120)	30 Amp (60022)/(60032)	50 Amp (60125)
			8.5 Amp (60120)	8.5 Amp (60120)	30 Amp (60022)/(60032)	50 Amp (60125)	
Battery Reserve Ah	40	40-75	75-100	100-200	100-200	100-250	100-250
In dash/Outdoor	I	I/O	I/O	O	O	O	O
Applications	Battery Maintenance	Battery Maintenance	Battery Maintenance/ Weekend Use	Weekend Use	Weekend Use/ Daily	Daily	Daily
Examples	small cars	small/ mid size vehicles	large vehicles (semi trucks, RV's)/ fishing cabins	lights, fan, TV & radio in cabin	lights, fan, TV & radio in cabin/ RV, House batteries, Tool Shed	Grid Connection/RV, House batteries, Farm, Tool Shed	Grid Connection/ RV, House batteries, Farm, Tool Shed

Remember multiple panels = more wattage = faster charging!

Weekly Output
Charge controller
Battery Reserve Ah

Based on 7 hours of sunlight per day

recommended charge controller for when charging batteries

A deep cycle battery is the best option, one or several batteries may be used, number of Amp hours is a suggestion individual set ups may require higher or lower amp hour reserves.

Applications

Battery Maintenance

Radio and clock memory and engine computer memory will drain a small amount of battery power with the key off, and that is normal.

Solar panels in this category may offset this drain

Weekend Use

Solar panel charges battery during the week, the battery runs appliances over the weekend

Daily

Solar panel recharges battery daily in an appropriately sized system

Grid Connection

Grid connection will require a solar grid tied inverter (NA from Sunforce Products)

When choosing an inverter, the inverter must have a 12 volt input. Power rating will depend on the appliances being run.