SOLAR PV-1

The POWERLINE™ Solar PV-1 battery provides superior performance and offers reliable, low-maintenance power for renewable energy applications.



This robust industrial battery compliments HAWKER's full line of customized, leading edge power solutions. The Solar PV-1 battery is optimized for deep-cycle photovoltaic (PV) service. It is rated for 3,000 cycles to 80% depth of discharge. The PV-1 yields higher capacity and sustained performance during cycles. And the Solar PV-1 continues HAWKER's commitment to the highest environmental standards.

Features of the POWERLINE™ Solar PV-1 Battery:

- Well suited for deep-cycle discharges
- Offers consistent performance and increased capacity
- Requires minimum maintenance
- 10 year warranty (specific terms & conditions apply)
- Heat-sealed cell covers
- Thickest plate grids in the industry
- Maximum density paste
- Multi-layer retention system with horizontal and vertical wrapping to hold the active paste material on the grids.

- Available with removable or nonremovable cells
- Interconnect cables are only needed between 12-volt trays.
- Multiple trays can be ordered as needed for voltage and amp-hour capacity.
- Delivers trouble-free service for up to 15 years.
- Made in U.S.A.



- 1. Add only distilled or deionized water never add acid.
- 2. Keep electrolyte level above separator protectors.
- 3. Keep battery top clean and dry.
- 4. Keep flame and metal away from battery top.
- 5. Keep vent caps tightly in place.
- **6.** Discharge to 80% only and do not operate battery if the specific gravity is below 1.150 for the POWERLINE™ Solar PV-1 battery.
- 7. Cool before charging or operating if the battery is above 115° F.
- **8.** Use only approved charger of correct voltage and current output.
- 9. Ensure proper ventilation during charging.
- **10.** When in doubt, call your HAWKER service representative for long, reliable battery life.

The POWERLINE™ Solar PV-1 battery works well for these applications:

- Water Pumping
- Refrigeration
- Residential Use
- Communications
- Wind Generation
- Road Repair Efforts

SOLAR PV-1 SPECIFICATIONS (6 CELL - 12 VOLT BATTERY)											
Model	Rated A/H (6 hr)	Rated A/H (20 hr)	Usable A/H (20 hr)	Rated Watt/hrs (20 hr)	Usable Watt/hrs (20 hr)	Usable kWh (20 Hr Rate)			Minimum Charging System	Maximum Charging System	Dimensions Per 12V Battery (Inches)
C 055 426						12V	24V	48V			(inches)
6-85F-13S	510	632	506	7,589	6,071	6.07	12.14	24.28	51 amps	102 amps	31 00 v 7 75 ·· 25
6-85F-15S	595	738	590	8,854	7,083	7.08	14.16	28.32	60 amps	120 amps	31.00 x 7.75 x 25
6-85F-17S	680	843	675	10,118	8,095	8.10	16.20	32.40	68 amps		35.75 x 6.94 x 25
6-85F-19S	765	949	759	11,383	9,107	9.11	18.22	36.44		136 amps	38.25 x 6.94 x 25
6-85F-21S	850	1054	843	12,648	10,118	10.12	20.24		77 amps	154 amps	38.25 x 7.69 x 25
6-85F-23S	935	1159	928	13,913	11,130	11.13		40.48	85 amps	170 amps	38.25 x 8.44 x 25
6-85F-25S	1020	1265	1012	15,178	,		22.26	44.52	94 amps	184 amps	38.25 x 9.19 x 25
6-85F-27S	1105	1370	1096	, -	12,142	12.14	24.28	48.56	102 amps	204 amps	38.25 x 9.94 x 25
6-85F-29S	1190	1476		16,442	13,154	13.16	26.32	52.64	111 amps	222 amps	38.25 x 10.19 x 25
6-85F-31S	-		1180	17,707	14,166	14.17	28.34	56.68	119 amps	238 amps	38.25 x 11.44 x 25
	1275	1581	1265	18,972	15,178	15.18	30.36	60.72	128 amps	255 amps	38.25 x 12.19 x 25
6-85F-33S	1360	1690	1352	20,280	16,224	16.22	32.44	64.88	136 amps	272 amps	38.25 x 12.19 x 25

NOTE: For other available battery sizes, contact your authorized HAWKER representative.

To learn more about the POWERLINE™

Solar PV-1, contact your authorized

HAWKER representative.



