

# ACES sealed battery chargers 700-3300W



ACES sealed battery chargers are based on the latest technologies that result in very compact size and low weight. This is accomplished by high frequency LLC conversion technology that has a very high efficiency of about 94%. All the chargers have Power Factor Correction (PFC) resulting in clean sinewave shaped AC-mains current and the lowest possible current draw from the grid. Combining this with a sealed IP67 design and a very high reliability makes this chargers very attractive for many applications. These chargers are tested under harsh conditions and more than 100000 are already operating in field applications. The chargers are available in 4 power classes of 700, 1350, 2000, 3300W for Lithium or Lead Acid.

## Model overview

Voltage	Current (A)						
	5-10	10-15	15-20	20-25	25-30	30-35	35-50
12-16V							
24-34V							
36-51V							
48-68V							
60-85V							
72-102V							
80-113V							
144-168V							
Model >	700W		1350W		2000W		3300W



700W



1350W



2000W



3300W

## Technical specification

- Input voltage 170-264V ac; 45-65Hz
- Efficiency: > 94%
- Power factor: > 0.99
- Noise: < 45dBA
- Temperature range: -20...45°C
- Protection level: IP67
- Protections: Over temperature, Reverse connection, Idle, Short circuit, auto stop, charge below 0°C (Lithium)
- Interlock protection to prevent drive away during charging (not on 700W model)
- CAN-bus and 12V auxiliary output (not on 700W model)
- CE certification

## List of available models

Model name and Order code	Picture	Nominal Voltage	Max. Charge Voltage	Max. charge curr A	Min Capacity (AH)	Max Capacity (Ah)	Battery type	Interlock protection	Temp comp 0°C protect	DC out Connector	DC out cable	Weight (kg)	Dimensions (mm)	IP rating
<a href="#">ABC700-1220LI</a>		12	14,6	20	20	200	LI	no	no	SB50	2m 4mm2	2	187 x 123 x 68	67
<a href="#">ABC700-2420LI</a>		24	29,4	20	20	200	LI	no	no	SB50	2m 4mm2	2	187 x 123 x 68	67
<a href="#">ABC700-4810LI</a>		48	58,5	10	10	100	LI	no	no	SB50	2m 4mm2	2	187 x 123 x 68	67
<a href="#">ABC700-2420LA</a>		24	29,4	20	160	320	AGM	no	no	SB50	2m 4mm2	2	187 x 123 x 68	67
<a href="#">ABC1350-2425LI</a>		24	29,4	50	25	250	LI	yes	yes	SB50	2m 6mm2	3,5	281 x 128 x 85	67
<a href="#">ABC1350-2425LA</a>		24	28,8	25	200	400	AGM	yes	yes	SB50	2m 6mm2	3,5	281 x 128 x 85	67
<a href="#">ABC1350-4825LI</a>		48	58,5	25	25	250	LI	yes	yes	SB50	2m 6mm2	3,5	281 x 128 x 85	67
<a href="#">ABC1350-4825LA</a>		48	58,8	25	200	400	AGM	yes	yes	SB50	2m 6mm2	3,5	281 x 128 x 85	67
<a href="#">ABC1350-7218LI</a>		72	84	18	18	180	LI	yes	yes	SB50	2m 6mm2	3,5	281 x 128 x 85	67
<a href="#">ABC1350-7218LA</a>		72	88,2	18	120	240	AGM	yes	yes	SB50	2m 6mm2	3,5	281 x 128 x 85	67
<a href="#">ABC2000-2450LI</a>		24	29,4	50	50	500	LI	yes	yes	SB50	3m 10mm2	4,5	282 x 181 x 98	67
<a href="#">ABC2000-2450LA</a>		24	29,4	50	400	800	AGM	yes	yes	SB50	3m 10mm2	4,5	282 x 181 x 98	67
<a href="#">ABC2000-4835LI</a>		48	58,5	35	35	350	LI	yes	yes	SB50	3m 10mm2	4,5	282 x 181 x 98	67
<a href="#">ABC2000-4835LA</a>		48	58,8	35	250	500	AGM	yes	yes	SB50	3m 10mm2	4,5	282 x 181 x 98	67
<a href="#">ABC2000-7225LI</a>		72	84	25	25	250	LI	yes	yes	SB50	3m 10mm2	4,5	282 x 181 x 98	67
<a href="#">ABC2000-7225LA</a>		72	88,2	25	200	400	AGM	yes	yes	SB50	3m 10mm2	4,5	282 x 181 x 98	67
<a href="#">ABC3300-4850LI</a>		48	58,5	50	50	500	LI	yes	yes	SB50	3m 10mm2	6	350 x 188 x 99	67
<a href="#">ABC3300-7235LI</a>		72	84	35	35	350	LI	yes	yes	SB50	3m 10mm2	6	350 x 188 x 99	67