

ACES sealed battery chargers 300-5000W

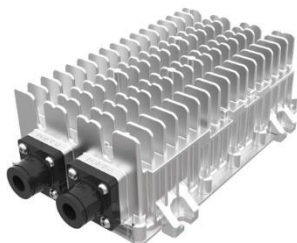


ACES sealed battery chargers are based on the latest technologies that result in very compact size and low weight. This is accomplished by high frequency LLC conversion technology that has a very high efficiency of up to 94%. All the chargers have Power Factor Correction (PFC) resulting in clean sinewave 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 6 power classes of 300, 700, 1350, 2000, 3300, 5000W for Lithium or Lead Acid.

Model overview

	Current (A)								
	5-10	10-15	15-20	20-25	25-30	30-35	35-50	50-60	80-100
12-16V									
24-34V									
36-51V									
48-68V									
60-85V									
72-102V									
80-113V									
144-168V									
Model >	300W	700W	1350W		2000W		3300W		5000W



300W



700W



1350W



2000W



3300W

Battery chargers for battery type

The ACES battery chargers can be used for following battery types:

- LA series
Lead acid batteries AGM and Flooded (not suitable for GEL)
 - LI series
Lithium Ion NMC or NCA batteries
 - LF series
Lithium Iron Phosphate (LFP) batteries
- These chargers have a unique cell balancing mode at the end of charging

Technical specification 300-3300W 1phase input models

- Input voltage 170-264V ac; 45-65Hz
- Efficiency: > 94%
- Power factor: > 0.99
- Noise: <45...60 dBA
- 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

5000W 3-phase input Model with Bluetooth



Technical specification 5000W 3-phase input model

- Input voltage 260...457V ac; 45-65Hz
- Efficiency: 90%
- Power factor: > 0.95
- Noise: <45...60dBA
- 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 as option if no CAN-bus
- CAN-bus and 12V auxiliary output
- CE certification



















List of available models LA series

Model name and Order code	Picture	Nominal Voltage (V)	Max. Charge Voltage (V)	Max. charge current (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
ABC300F-2412LA		24	29,2	12	72	180	LA	yes	no	SB50	2m 4mm2	1,2	205x123x65	67
ABC300F-4805LA		48	58,4	5	30	80	LA	yes	no	SB50	2m 4mm2	1,2	205x123x65	67
ABC700-2420LA		24	29,4	20	120	320	LA	no	no	SB50	2m 4mm2	2	187 x 123 x 68	67
ABC900F-2430LA		24	29,2	30	180	450	LA	yes	yes	SB50	2m 6mm2	3	231 x 136 x 72	67
ABC900F-4818LA		48	58,4	18	100	250	LA	yes	yes	SB50	2m 6mm2	3	231 x 136 x 72	67
ABC1350-2425LA		24	29,2	25	150	400	LA	yes	yes	SB50	2m 6mm2	3,5	281 x 128 x 85	67
ABC1350-3630LA		36	43,8	30	180	450	LA	yes	yes	SB50	2m 6mm2	3,5	281 x 128 x 85	67
ABC1350-4825LA		48	58,8	30	150	400	LA	yes	yes	SB50	2m 6mm2	3,5	281 x 128 x 85	67
ABC1350-7218LA		72	88,2	18	108	240	LA	yes	yes	SB50	2m 6mm2	3,5	281 x 128 x 85	67
ABC2000-2450LA		24	29,4	50	300	800	LA	yes	yes	SB50	3m 10mm2	4,5	282 x 181 x 98	67
ABC2000-4835LA		48	58,8	35	210	500	LA	yes	yes	SB50	3m 10mm2	4,5	282 x 181 x 98	67
ABC2000-7225LA		72	88,2	25	150	400	LA	yes	yes	SB50	3m 10mm2	4,5	282 x 181 x 98	67
ABC5000-24100LA		24	29,4	100	600	1600	LA	CAN/BT	yes	SB175	3m 16mm2	18	419x282x101	67
ABC5000-4880LA		48	58,8	80	480	1280	LA	CAN/BT	yes	SB175	3m 16mm2	18	419x282x101	67
ABC5000-7260LA		72	88,2	60	360	960	LA	CAN/BT	yes	SB175	3m 10mm2	18	419x282x101	67

List of available models LI series

Model name and Order code	Picture	Nominal Voltage (V)	Max. Charge Voltage (V)	Max. charge current (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
ABC300F-2412LI		24	29,4	12	12	100	LI	yes	no	SB50	2m 4mm2	1,2	205x123x65	67
ABC300F-4805LI		48	58,5	5	5	50	LI	yes	no	SB50	2m 4mm2	1,2	205x123x65	67
ABC700-2420LI		24	29,4	20	20	200	LI	no	no	SB50	2m 4mm2	2	187 x 123 x 68	67
ABC700-4810LI		48	58,5	10	10	100	LI	no	no	SB50	2m 4mm2	2	187 x 123 x 68	67
ABC900F-2430LI		24	29,4	30	30	300	LI	yes	yes	SB50	2m 6mm2	3	231 x 136 x 72	67
ABC900F-4818LI		48	58,5	18	18	180	LI	yes	yes	SB50	2m 6mm2	3	231 x 136 x 72	67
ABC1350-2425LI		24	29,4	50	25	250	LI	yes	yes	SB50	2m 6mm2	3,5	281 x 128 x 85	67
ABC1350-4825LI		48	58,5	25	25	250	LI	yes	yes	SB50	2m 6mm2	3,5	281 x 128 x 85	67
ABC1350-7218LI		72	84	18	18	180	LI	yes	yes	SB50	2m 6mm2	3,5	281 x 128 x 85	67
ABC2000-2450LI		24	29,4	50	50	500	LI	yes	yes	SB50	3m 10mm2	4,5	282 x 181 x 98	67
ABC2000-4835LI		48	58,5	35	35	350	LI	yes	yes	SB50	3m 10mm2	4,5	282 x 181 x 98	67
ABC2000-7225LI		72	84	25	25	250	LI	yes	yes	SB50	3m 10mm2	4,5	282 x 181 x 98	67
ABC3300-4850LI		48	58,5	50	50	500	LI	yes	yes	SB50	3m 10mm2	6	350 x 188 x 99	67
ABC3300-7235LI		72	84	35	35	350	LI	yes	yes	SB50	3m 10mm2	6	350 x 188 x 99	67
ABC5000-4880LI		48	58,5	80	80	350	LI	CAN/BT	yes	SB175	3m 16mm2	18	419x282x101	67
ABC5000-7260LI		72	84	60	60	600	LI	CAN/BT	yes	SB175	3m 10mm2	18	419x282x101	67
ABC5000-8450LI		84	100,8	50	50	500	LI	CAN/BT	yes	SB175	3m 10mm2	18	419x282x101	67

List of available models LF series

Model name and Order code	Picture	Nominal Voltage (V)	Max. Charge Voltage (V)	Max. charge current (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
ABC300-2412LF		24	29,4	12	12	100	LFP	yes	no	SB50	2m 4mm2	1,2	205x123x65	67
ABC300-4805LF		48	58,5	5	5	50	LFP	yes	no	SB50	2m 4mm2	1,2	205x123x65	67
ABC700-1220LF		12	14,4	20	20	200	LFP	no	no	SB50	2m 4mm2	2	187 x 123 x 68	67
ABC700-2420LF		24	28,8	20	20	200	LFP	no	no	SB50	2m 4mm2	2	187 x 123 x 68	67
ABC700-4810LF		48	57,6	10	10	100	LFP	no	no	SB50	2m 4mm2	2	187 x 123 x 68	67
ABC900F-2430LF		24	28,8	30	30	300	LI/LFP	yes	yes	SB50	2m 6mm2	3	231 x 136 x 72	67
ABC900F-4815LF		48	57,6	18	18	180	LI/LFP	yes	yes	SB50	2m 6mm2	3	231 x 136 x 72	67
ABC1000-1260LF		12	14,4	60	60	600	LFP	no	yes	SB175	2m 6mm2	8,2	310 x 230 x 101	65
ABC1350-2425LF		24	28,8	50	25	250	LFP	yes	yes	SB50	2m 6mm2	3,5	281 x 128 x 85	67
ABC1350-4825LF		48	57,6	25	25	250	LFP	yes	yes	SB50	2m 6mm2	3,5	281 x 128 x 85	67
ABC1350-7218LF		72	84	18	18	180	LFP	yes	yes	SB50	2m 6mm2	3,5	281 x 128 x 85	67
ABC2000-2450LF		24	28,8	50	50	500	LFP	yes	yes	SB50	3m 10mm2	4,5	282 x 181 x 98	67
ABC2000-4835LF		48	57,6	35	35	350	LFP	yes	yes	SB50	3m 10mm2	4,5	282 x 181 x 98	67
ABC2000-7225LF		72	84	25	25	250	LFP	yes	yes	SB50	3m 10mm2	4,5	282 x 181 x 98	67
ABC3300-4850LF		48	57,6	50	50	500	LFP	yes	yes	SB50	3m 10mm2	6	350 x 188 x 99	67
ABC3300-7235LF		72	84	35	35	350	LFP	yes	yes	SB50	3m 10mm2	6	350 x 188 x 99	67
ABC5000-24100LF		24	28,8	100	100	1000	LA	CAN/BT	yes	SB175	3m 16mm2	18	419x282x101	67
ABC5000-4880LF		48	57,6	80	80	350	LI/LFP	CAN/BT	yes	SB175	3m 16mm2	18	419x282x101	67
ABC5000-7260LF		72	82,8 / 86,4	60	60	600	LI/LFP	CAN/BT	yes	SB175	3m 10mm2	18	419x282x101	67
ABC5000-8450LF		84	93,6	50	50	500	LI/LFP	CAN/BT	yes	SB175	3m 10mm2	18	419x282x101	67