

UBC Series

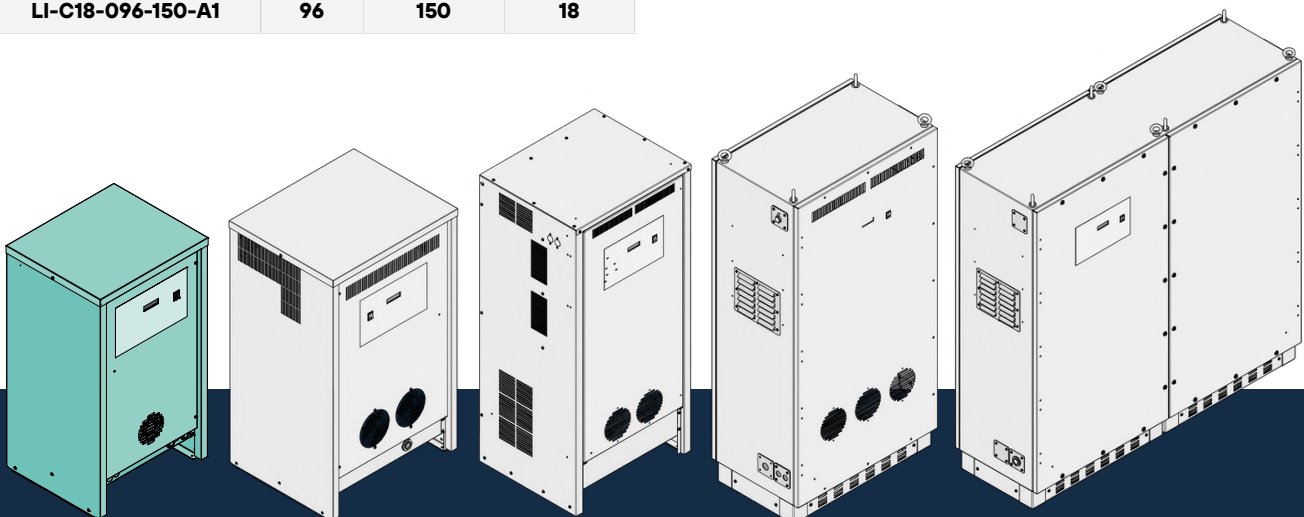
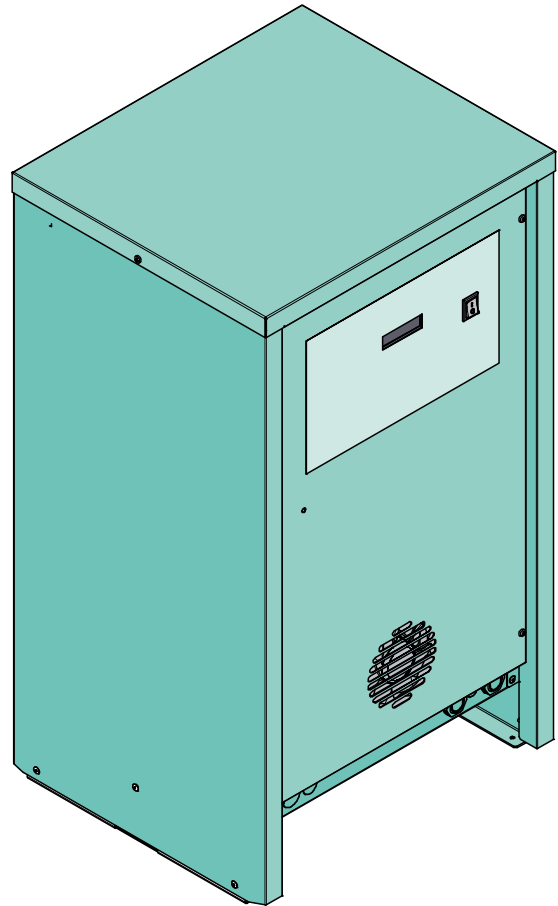
Universal
Battery
Chargers

A1

Technical Features

- Suitable for charging modes:
Conventional
Opportunity
- Customizable charging curves
- Customizable CAN BUS communication
(only for Lithium Battery)

GENERIC CODE	BATTERY VOLTAGE	CHARGING CURRENT	MAX POWER (KW)
LI-C06-024-200-A1	24	200	6
LI-C08-024-250-A1	24	250	8
LI-C09-048-150-A1	48	150	9
LI-C12-048-200-A1	48	200	12
LI-C15-048-250-A1	48	250	15
LI-C10-080-100-A1	80	100	10
LI-C15-080-150-A1	80	150	15
LI-C20-080-200-A1	80	200	20
LI-C12-096-100-A1	96	100	12
LI-C18-096-150-A1	96	150	18



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A2

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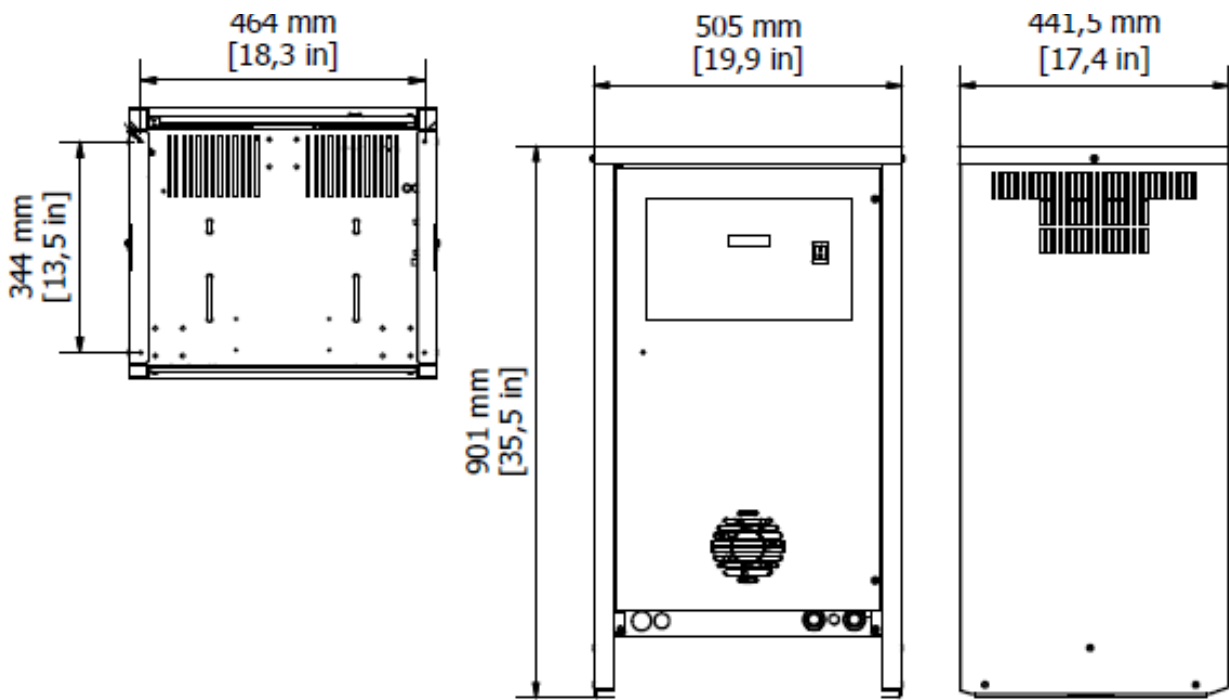
A5

STANDARDS	
Quality	ISO 9001:2008
Marking	CE, CEC
EMC	IEC EN 61000-6-2, IEC EN 61000-6-4
Safety	IEC EN 50178, IEC EN 062040-1
Test and Performance	IEC EN 62040-3
North American Standards	UL 1564, CSA 22.2 107.2-01

MECHANICAL	
Cooling	Air Cooled
IP level	IP21 (Standard) IP54(Optional)
Ambient Temperature	-10°C to +45°C
Storage Temperature	-20°C to +70°C
Humidity	<75%
Altitude (m)	>2000m according to EN62040-3

SPECIFICATIONS	
LineVoltage(VAC) ±10%	208, 220,240,400,440,480,600
Frequency(Hz)	50/60Hz±5%
PowerFactor	>98%
Efficiency	>93%

CHARGING APPLICATION SCENARIO
Sealed Battery: Flooded, GEL, VRLA
Lithium Battery: Can Bus Interface



HOUSING DIMENSION		
L (front) mm	W (side) mm	H mm
505	442	901



UBC Series

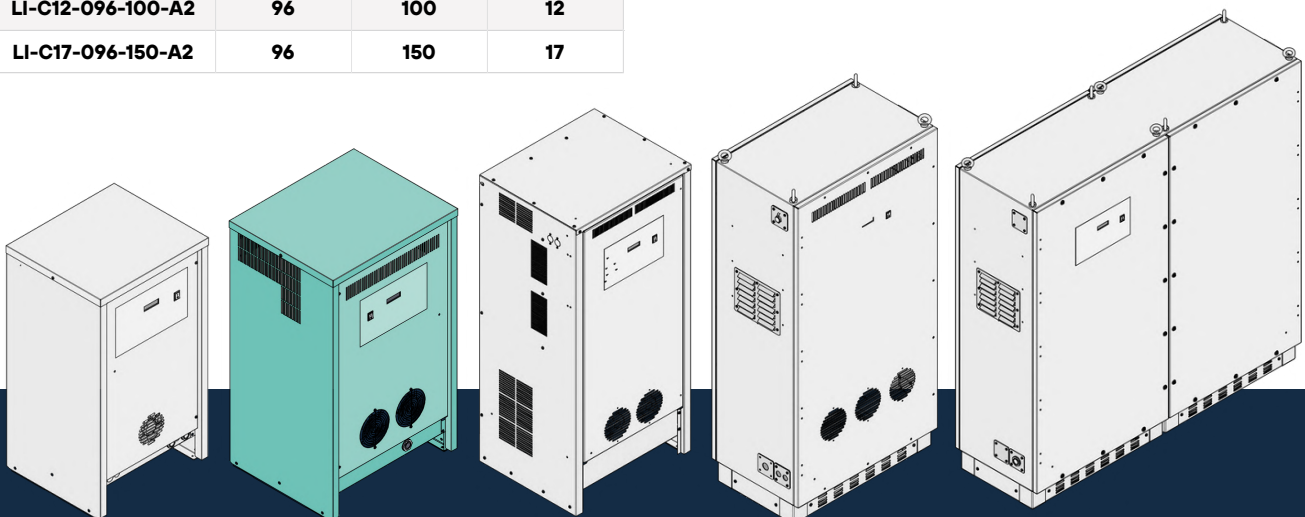
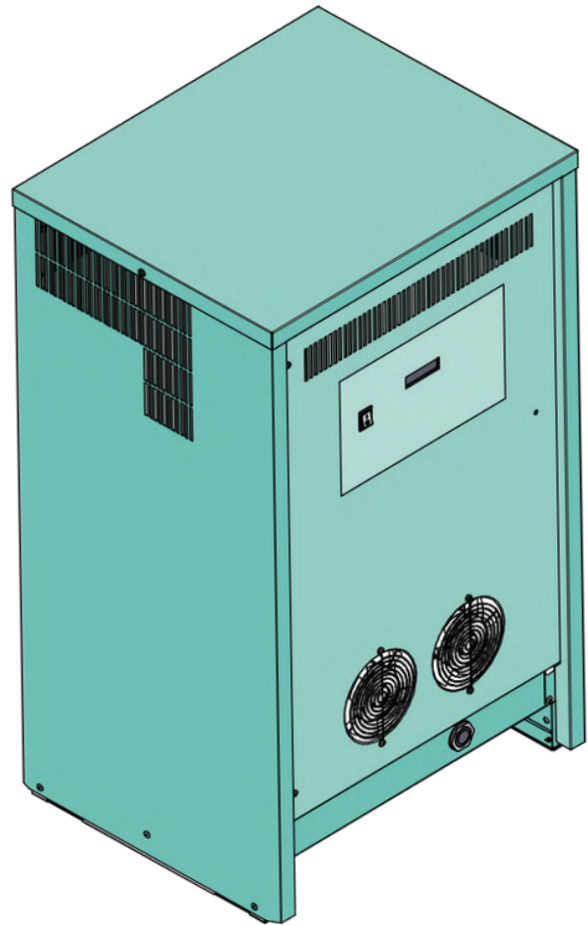
Universal
Battery
Chargers

A2

Technical Features

- Suitable for charging modes:
Conventional
Opportunity
Fast Charging
- Customizable charging curves
- Customizable CAN BUS communication
(only for Lithium Battery)

GENERIC CODE	BATTERY VOLTAGE	CHARGING CURRENT	MAX POWER (KW)
LI-C09-024-360-A2	24	360	9
LI-C14-036-300-A2	36	300	14
LI-C12-048-200-A2	48	200	12
LI-C15-048-250-A2	48	250	15
LI-C17-048-300-A2	48	300	18
LI-C24-048-400-A2	48	400	24
LI-C18-059-250-A2	59	250	18
LI-C24-059-320-A2	59	320	24
LI-C20-080-200-A2	80	200	20
LI-C24-080-250-A2	80	250	24
LI-C30-080-320-A2	80	320	30
LI-C12-096-100-A2	96	100	12
LI-C17-096-150-A2	96	150	17



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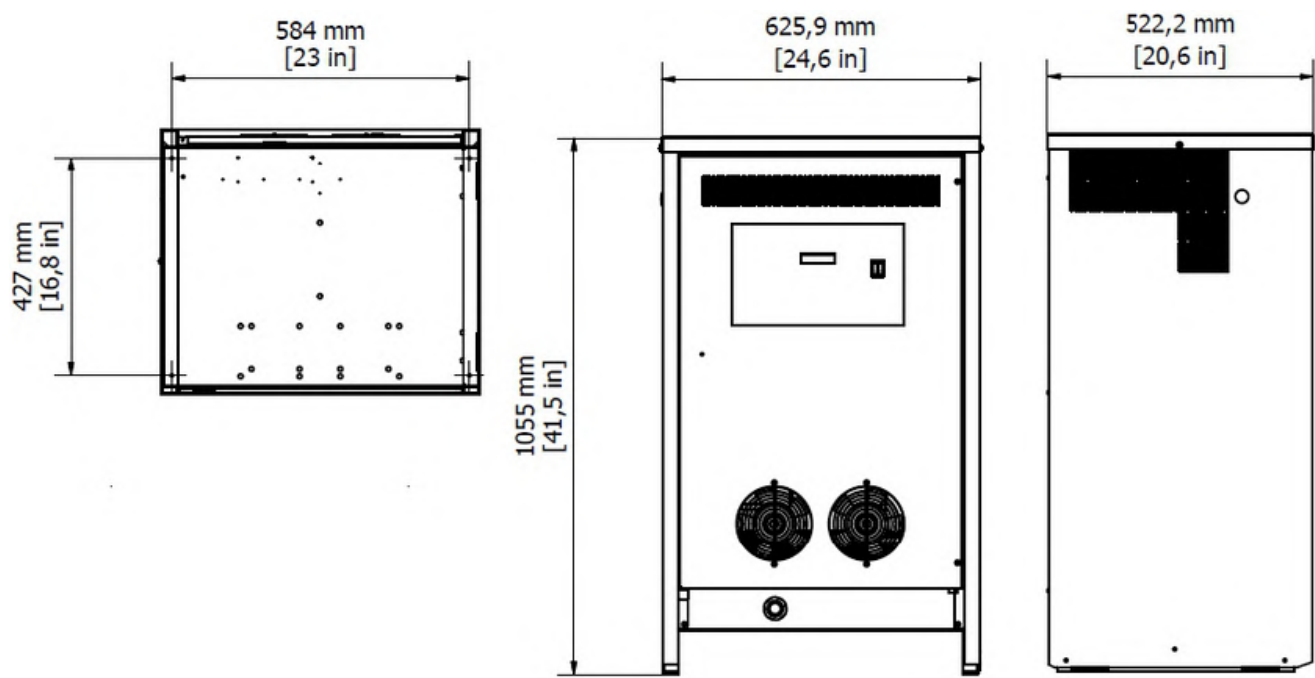
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STANDARDS	
Quality	ISO 9001:2008
Marking	CE, CEC
EMC	IEC EN 61000-6-2, IEC EN 61000-6-4
Safety	IEC EN 50178, IEC EN 62040-1
Test and Performance	IEC EN 62040-3
North American Standards	UL 1564, CSA 22.2 107.2-01

MECHANICAL	
Cooling	Air Cooled
IP level	IP21 (Standard) IP54(Optional)
Ambient Temperature	-10°C to +45°C
Storage Temperature	-20°C to +70°C
Humidity	<75%
Altitude (m)	>2000m according to EN62040-3

SPECIFICATIONS	
LineVoltage(VAC) ±10%	208, 220,240,400,440,480,600
Frequency(Hz)	50/60Hz±5%
PowerFactor	>98%
Efficiency	>93%

CHARGING APPLICATION SCENARIO
Sealed Battery: Flooded, GEL, VRLA
Lithium Battery: Can Bus Interface



HOUSING DIMENSION		
L (front) mm	W (side) mm	H mm
626	552	1055



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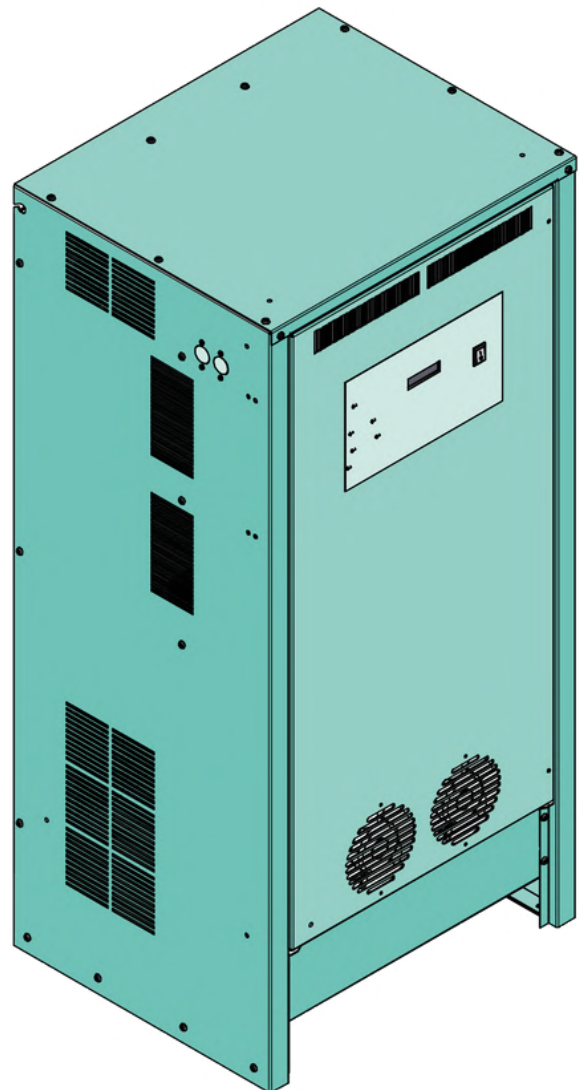
Universal
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Chargers

A3

Technical Features

- Suitable for charging modes:
Conventional
Opportunity
Fast Charging
- Customizable charging curves
- Customizable CAN BUS communication
(only for Lithium Battery)

GENERIC CODE	BATTERY VOLTAGE	CHARGING CURRENT	MAX POWER (KW)
LI-C12-024-400-A3	24	400	12
LI-C18-036-400-A3	36	400	18
LI-C24-048-400-A3	48	400	24
LI-C30-048-500-A3	48	500	30
LI-C36-048-600-A3	48	600	36
LI-C32-059-500-A3	59	500	32
LI-C36-059-600-A3	59	600	36
LI-C20-080-250-A3	80	250	20
LI-C33-080-320-A3	80	320	33
LI-C36-080-400-A3	80	400	36



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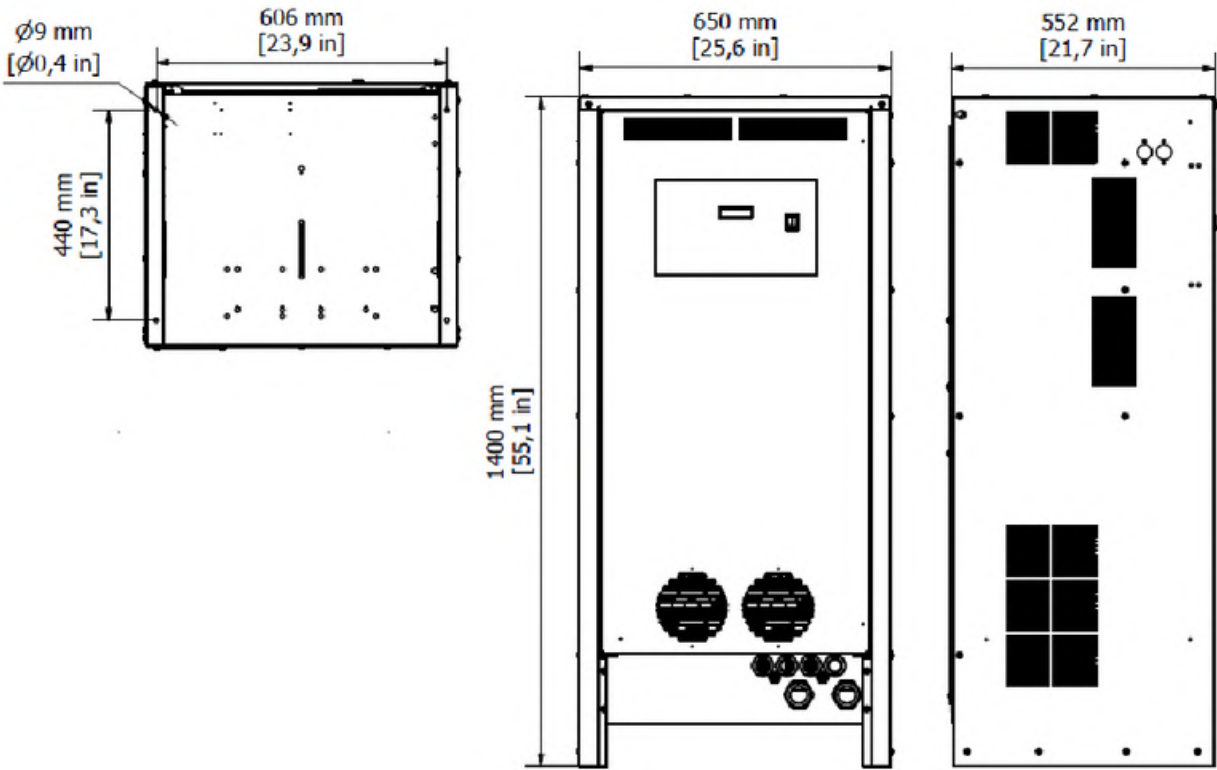
A5

STANDARDS	
Quality	ISO 9001:2008
Marking	CE, CEC
EMC	IEC EN 61000-6-2, IEC EN 61000-6-4
Safety	IEC EN 50178, IEC EN 062040-1
Test and Performance	IEC EN 62040-3
North American Standards	UL 1564, CSA 22.2 107.2-01

MECHANICAL	
Cooling	Air Cooled
IP level	IP21 (Standard)
Ambient Temperature	-10°C to +45°C
Storage Temperature	-20°C to +70°C
Humidity	<75%
Altitude (m)	>2000m according to EN62040-3

SPECIFICATIONS	
Line Voltage (VAC) ±10%	208, 220, 240, 400, 440, 480, 600
Frequency (Hz)	50/60 Hz ±5%
Power Factor	>98%
Efficiency	>93%

CHARGING APPLICATION SCENARIO
Sealed Battery: Flooded, GEL, VRLA
Lithium Battery: Can Bus Interface



HOUSING DIMENSION		
L (front) mm	W (side) mm	H mm
650	552	1400



UBC Series

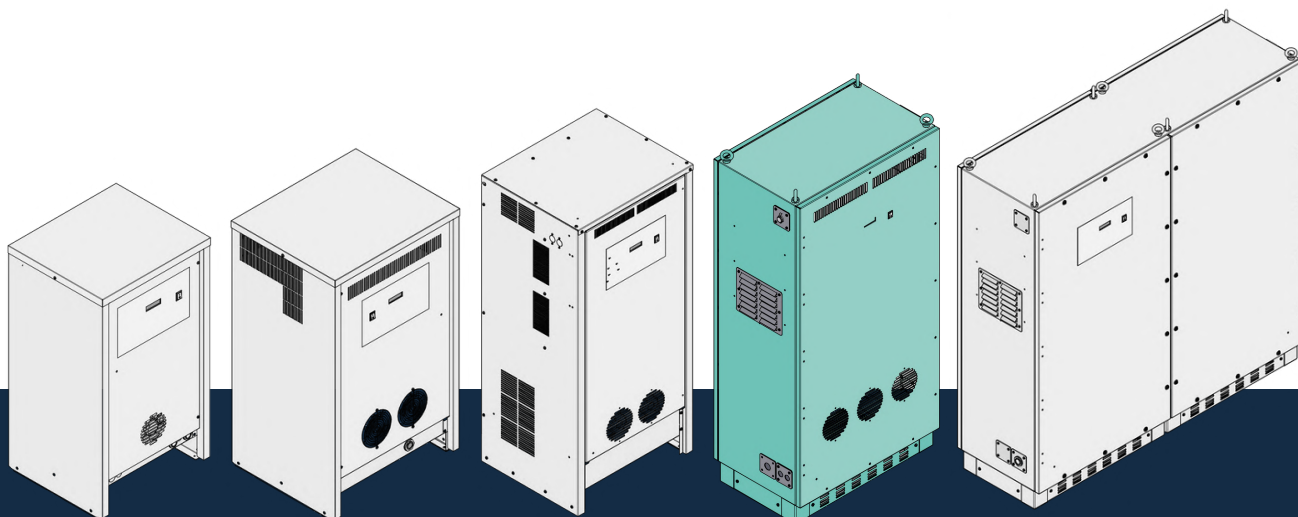
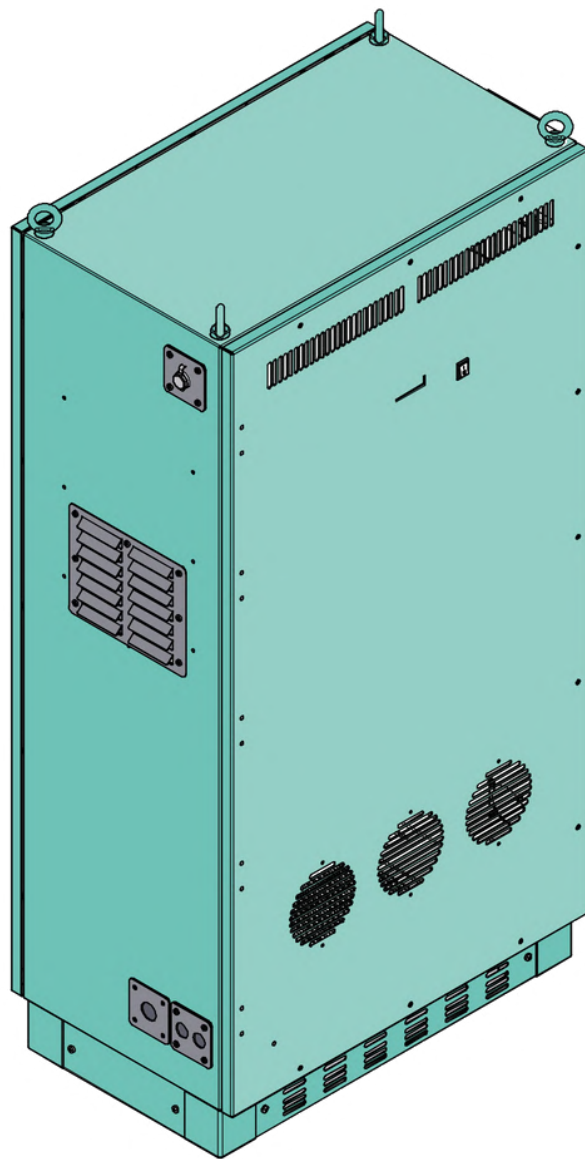
Universal
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A4

Technical Features

- Suitable for charging modes:
 - Conventional
 - Opportunity
 - Fast Charging
- Customizable charging curves
- Customizable CAN BUS communication (only for Lithium Battery)

GENERIC CODE	BATTERY VOLTAGE	CHARGING CURRENT	MAX POWER (KW)
LI-C50-500-125-A4	500	125	50



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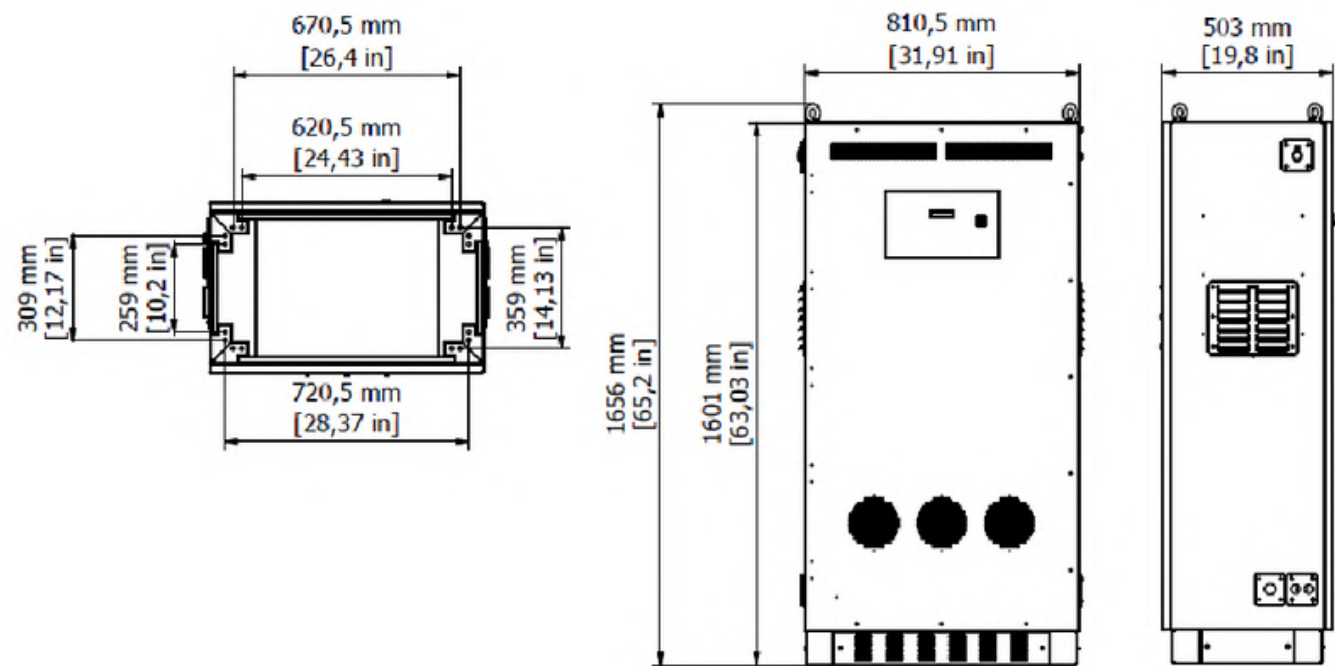
A5

STANDARDS	
Quality	ISO 9001:2008
Marking	CE
EMC	IEC EN 61000-6-2, IEC EN 61000-6-4
Safety	IEC EN 50178, IEC EN 062040-1
Test and Performance	IEC EN 62040-3

MECHANICAL	
Cooling	Air Cooled
IP level	IP21 (Standard) IP54(Optional)
Ambient Temperature	-10°C to +50°C
Storage Temperature	-20°C to +70°C
Humidity	<75%
Altitude (m)	>2000m according to EN62040-3

SPECIFICATIONS	
Line Voltage (VAC) ±10%	400, 480
Frequency (Hz)	50/60 Hz ±5%
Power Factor	>98%
Efficiency	>93%

CHARGING APPLICATION SCENARIO
Sealed Battery: Flooded, GEL, VRLA
Lithium Battery: Can Bus Interface



HOUSING DIMENSION		
L (front) mm	W (side) mm	H mm
811	503	1601



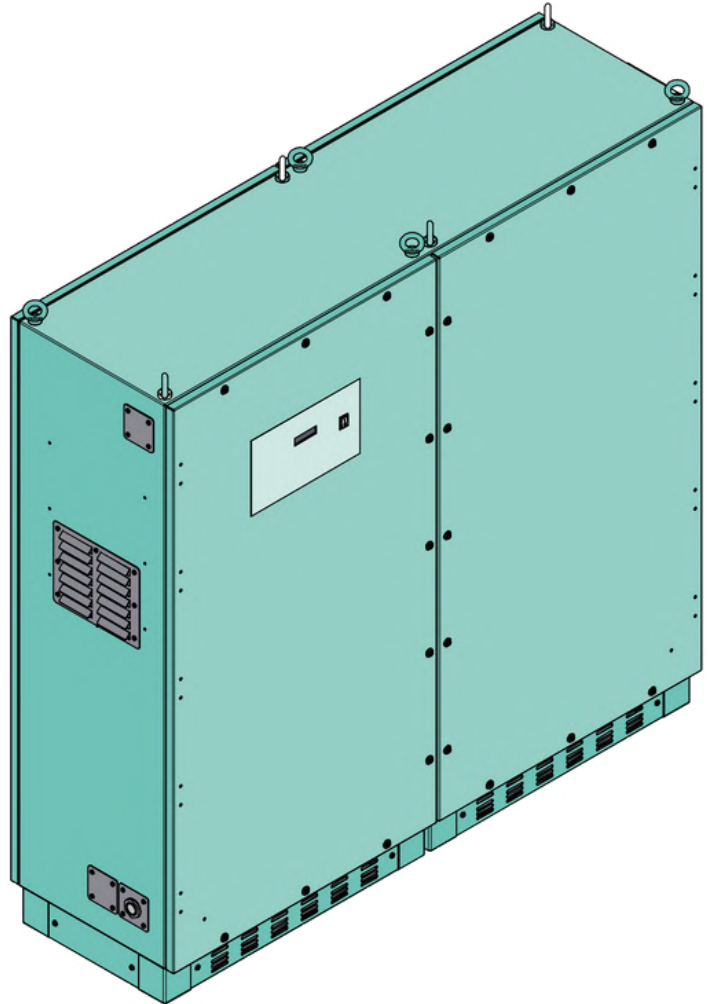
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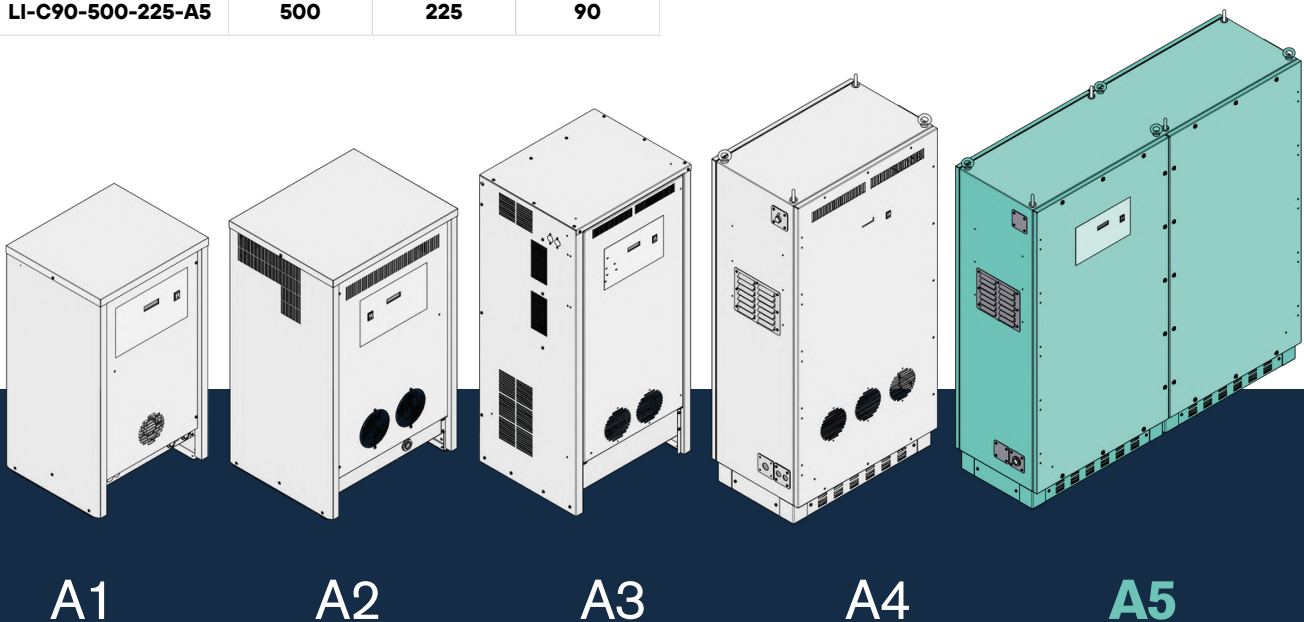
A5

Technical Features

- Suitable for charging modes:
 - Conventional
 - Opportunity
 - Fast Charging
- Customizable charging curves
- Customizable CAN BUS communication (only for Lithium Battery)



GENERIC CODE	BATTERY VOLTAGE	CHARGING CURRENT	MAX POWER (KW)
LI-C90-500-225-A5	500	225	90



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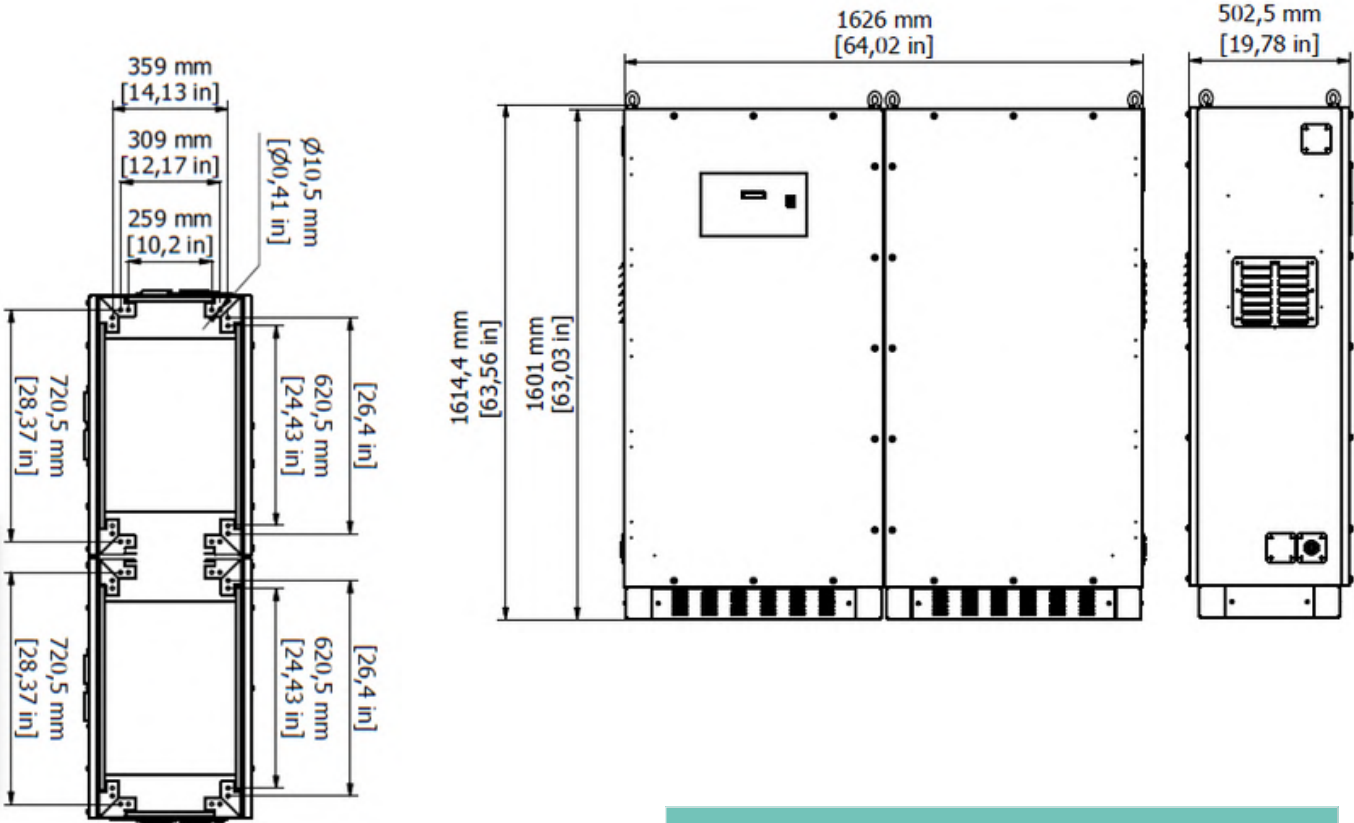
A5

STANDARDS	
Quality	ISO 9001:2008
Marking	CE
EMC	IEC EN 61000-6-2, IEC EN 61000-6-4
Safety	IEC EN 50178, IEC EN 062040-1
Test and Performance	IEC EN 62040-3

MECHANICAL	
Cooling	Air Cooled
IP level	IP21 (Standard) IP54(Optional)
Ambient Temperature	-10°C to +50°C
Storage Temperature	-20°C to +70°C
Humidity	<75%
Altitude (m)	>2000m according to EN62040-3

SPECIFICATIONS	
Line Voltage (VAC) ±10%	400, 480
Frequency (Hz)	50/60 Hz ±5%
Power Factor	>98%
Efficiency	>93%

CHARGING APPLICATION SCENARIO
Sealed Battery: Flooded, GEL, VRLA
Lithium Battery: Can Bus Interface



HOUSING DIMENSION		
L (front) mm	W (side) mm	H mm
1626	503	1601

