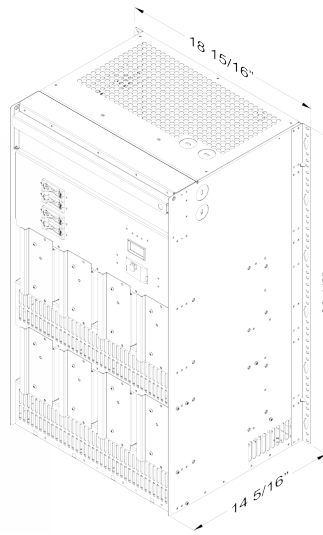
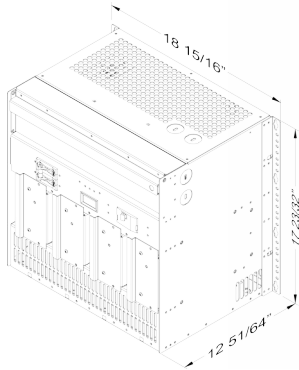




ATLAS™ INDUSTRIAL STATIONARY POWER CHARGERS

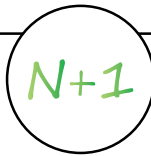


Lester Electrical proudly introduces our Atlas industrial stationary power chargers. This new line of stationary chargers includes the most comprehensive feature set and best performance we have delivered in our fifty plus year history as a company. Designed by our team of expert Lester Electrical Engineers with the durability and reliability required for utility, rail and genset applications.



HOT-SWAPPABLE

Individual iPMs are hot-swappable for high availability and uptime architecture.



REDUNDANCY

Modular platform featuring multiple iPMs in a single chassis provide redundancy (N+1, N+2, etc) and will continue to operate if the User Interface Module (UIM) fails for high availability/uptime applications.



SECURITY

Internal web server uses a modern, responsive framework. Highest security standards maintained with Confirm Local Presence button featured on front of charger. Requires local access to make changes to charger settings.



SOPHISTICATED ALARMING

Alarms can be individually enabled / disabled, assigned a delay, assigned a priority and assigned to the summary alarm relay. SNMP alarming and NTP date / time synchronization via Ethernet.



INDUSTRIAL CONSTRUCTION

The Atlas line of chargers are all manufactured with heavy-duty construction for industry-leading ruggedness and reliability. They feature natural convection cooling (no fans), low DC output ripple and Lester Electrical proprietary charging algorithms.



AMERICAN MADE

The Atlas is proudly designed and manufactured in the U.S.A. at our manufacturing plant in Lincoln, Nebraska. Quality is built into every product made for our clients.

SPECIFICATIONS

AC INPUT	
Voltage range, rated	100-240 Vac
Voltage range, operating	90-264 Vac; (< 100 Vac: reduced power)
Frequency, rated	50-200 Hz
Frequency, operating	45-205 Hz
Phase	Single-phase
Current, maximum	< 12 A
Efficiency	> 91%, 120 Vac, full load; > 93%, 240 Vac, full load
Power Factor	> 0.98, 120 Vac, full load; > 0.96, 240 Vac, full load
Protection	Current limit, surge, transient, under voltage, over voltage

DC OUTPUT		
Voltage Range	24 Vdc	10.00-40.00 Vdc
	48 Vdc	30.00-61.00 Vdc
	130 Vdc	75.00-150.00 Vdc
Power, maximum, per iPM	24 Vdc	400 W
	48 Vdc, 130 Vdc	480 W
Current, maximum, per iPM	24 Vdc, 48 Vdc	10.0 A
	130 Vdc	4.0 A
Current, rated at 2.25 V/Cell, per iPM	24 Vdc	Rated current: 10.0 A, Max: 10.0 A
	48 Vdc	Rated current: 8.1 A, Max: 10.0 A
	130 Vdc	Rated current: 3.3 A, Max: 4.0 A
Protection	Current limit, short circuit, reverse polarity, surge, transient	
Battery types	Flooded Lead-Acid (FLA), Valve Regulated Lead-Acid (VRLA), Nickel-Cadmium (Ni-Cd)	

ENVIRONMENTAL		
Operating temperature	24 Vdc	-40 °C to 70 °C
	48 Vdc	(-40 °F to 158 °F)
	130 Vdc	> 50 °C: may reduce power
Storage temperature	24 Vdc	-55 °C to 85 °C
	48 Vdc	(-67 °F to 185 °F)
	130 Vdc	> 50 °C: may reduce power
Operating humidity	0-95%, non-condensing	
Storage humidity	0-95%, non-condensing	

USER INTERFACES		
Communication	Ethernet; 10/100BASE-TX; auto crossover, auto MDI-X; RJ45 connector; support for TCP / IP, NTP, and SNMP Traps; internal web server; ability to be used for networked comm or direct comm (direct connection to a laptop)	
DC voltage switches	2 switches for Number of Cells; 3 switches for Volts per Cell	
LEDs	UIM	4 single-color; AC Present, Alarm, UIM Status, Confirm Local Presence
	iPM	1 tri-color; DC Output, Fault
	Front panel	3 single-color; AC Present, Alarm, UIM Status
Digital display	DC output voltage and current	
Button	Confirm Local Presence	
Battery temp comp	Yes (sensor optional)	
Remote DC voltage sense	Yes (wiring optional)	
Alarming	Alarms	Individually enable / disable, assign a delay, assign a priority, assign to the summary alarm relay
	Summary alarm relay	Form C, dry contact, 1 A at 30 Vdc, 0.5 A at 120 Vac
	Ethernet alarming	SNMP Traps
Logging	Up to 10,000 events (alarms, faults, AC on / off) downloadable as a CSV, JSON, XML, TXT, SQL or EXCEL	

MECHANICAL		
Cooling	Natural convection (no fans)	
Protection	Conformal coated circuit boards	
AC / DC terminals	Screw terminal block	
Dimensions (LxWxH)	4-slot chassis	18.93 x 17.71 x 12.79 in
	8-slot chassis	18.83 x 30.50 x 14.31 in
Mounting	Wall, shelf, floor, EIA 19-inch and 23-inch rack (front or rear)	
Lockable access cover		

SAFETY/REGULATORY	
Efficiency	CEC Appliance Efficiency Regulations, Title 20
Safety / Emissions	UL 1012 and cUL/CSA equivalent; NEW PE 5; FCC Part 15, Class A; EN emissions, immunity, safety; CE certified

