Eastman®

#TheWiseChoice

Conventional Tubular Battery Charger



www.eaplworld.com

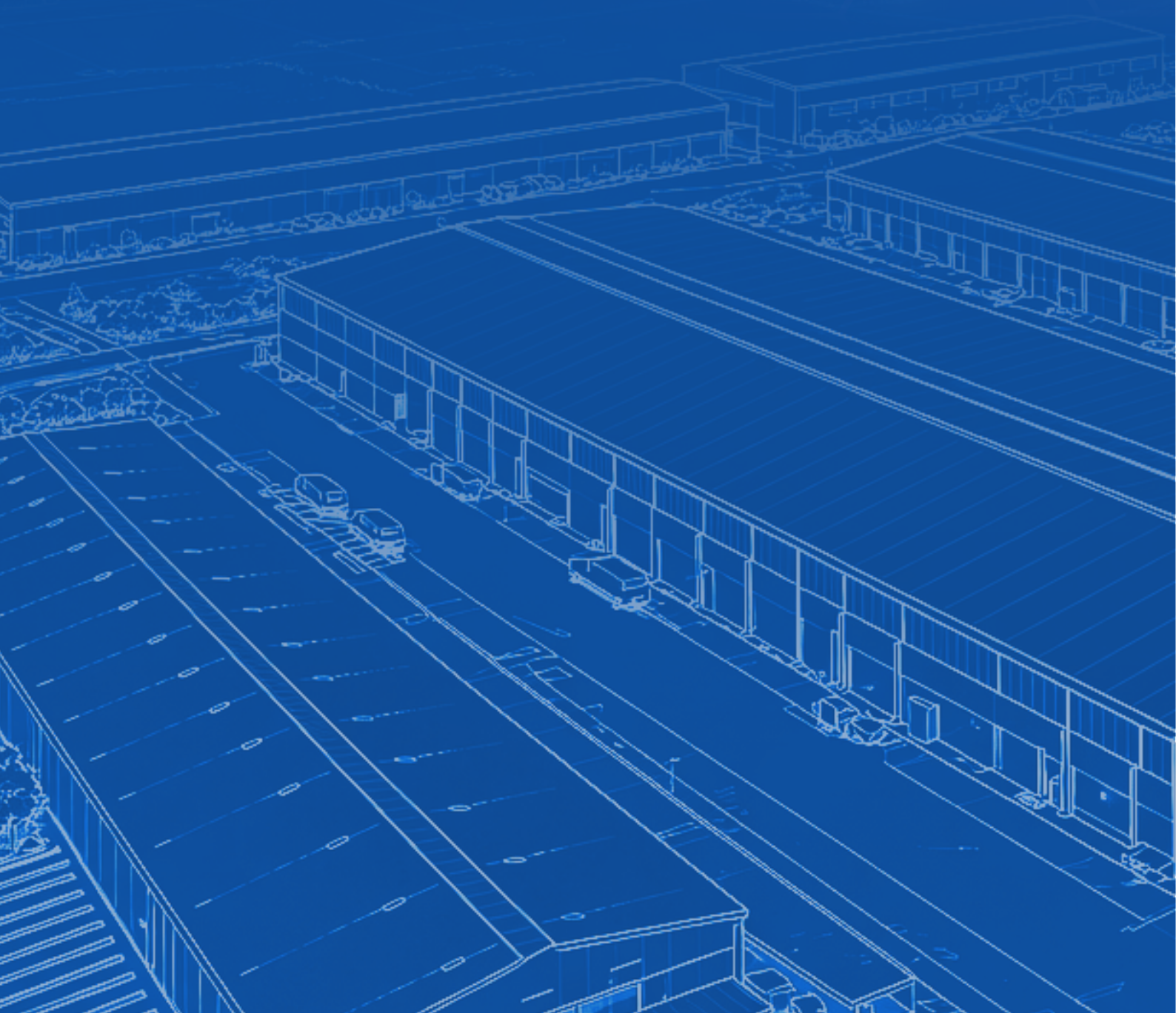
Forever Forward.

For India, Its People and What Comes Next

ENERGY TRANSITION COMPANY

Purpose-built to move India and its people permanently forward.

We operate at the intersection of where energy access meets everyday life: last mile e-mobility that puts livelihoods in motion, Residential Solar with Storage that brings energy independence to homes and businesses and advanced electronics manufacturing that builds the technological backbone of a cleaner economy.



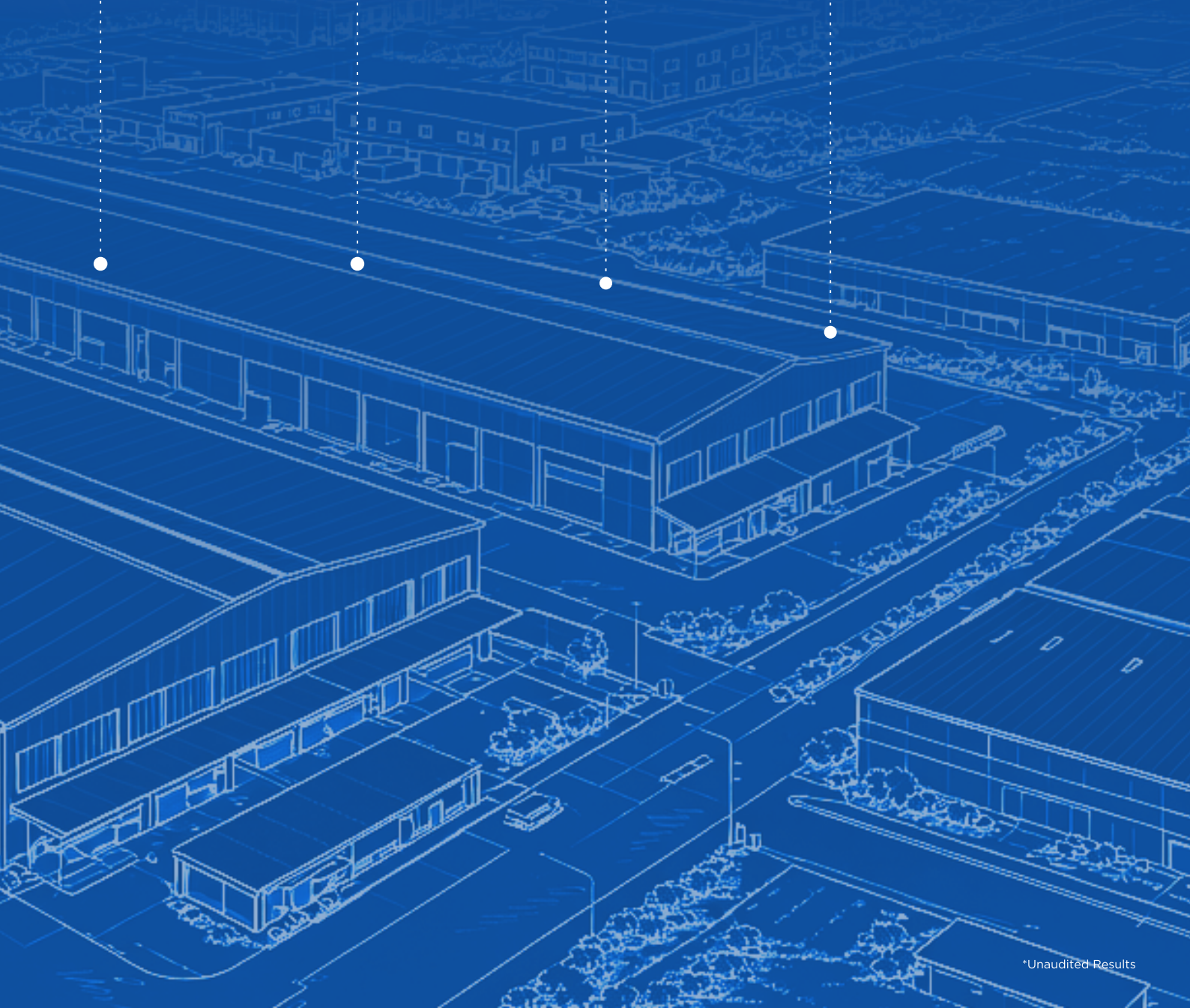
#TheWiseChoice

₹5766 Cr.*
FY25-26 Turnover

CAGR 31%
Last 4 Fiscal Years

Over **4100+**
Employees

1900+
Distributors



*Unaudited Results

#TheWiseChoice

MITRA

E-Rickshaw Charger



24
MONTHS* WARRANTY



Models:

65V / 18A - 22A | 81.25V / 18A

(Nominal Voltage@ Battery / Amp)

*T&C Apply

Technical Specification

Model No.	E-RICKSHAW MITRA-LA2248
Battery Type	LEAD ACID BATTERY
Recommended Battery Capacity	130AH- 150AH
MAINS INPUT SPECIFICATION	
Input Voltage working range	100V to 300V AC ± 8VAC
I/P V range @Full Rated o/p current	170V to 280V AC ± 8VAC
Input frequency	47-63 Hz
Input current max	< 8Amp
Max. Input power	1350W
Input power factor @ through out the Range	0.995 to 0.925 upto 270V. Derate after 270V
Mains input Low cut	100VAC ± 8VAC
Mains input Low cut recovery	115VAC ± 8VAC
OUTPUT SPECIFICATION	
Max. output voltage	65V ± 1V
Output current	18A ± 1A
Rated output Power	1170W
Efficiency	85% to 93% (@ through out the Range)
Charging Current Limit	Charging current limited to 18A±1A under overload condition.
Battery Reverse Connection	Charger relay remains OFF in reverse polarity
Charging Current Soft Start	N/A
PROTECTIONS	
Output over current protection	≥ rated max A+1 A
Output over voltage protection	≥ rated max V+1 V
Output short-circuit protection	ELECTRONIC PROTECTION
Output no-load protection	ELECTRONIC PROTECTION
Output reversal connect protection	ANDERSON CONNECTOR+ ELECTRONIC PROTECTION
Input over voltage protection	ELECTRONIC PROTECTION
Input undervoltage protection	ELECTRONIC PROTECTION
Over temperature Protection/Recovery	90°C ± 5°C / 65°C ± 5°C
CONNECTIONS	
Charger Output Connector	ANDERSON CONNECTOR SB50
OTHER REQUIREMENTS	
CC CV (CV mode activate)	4 Stage Charging Modes
Charging Current Soft Start	N/A
PRODUCT SAFETY	
DI - Electric voltage withstand test	At 1.5KV AC rms at 50Hz for 60 Sec. with a trip current of 5mA. a) Between Input and chassis. b) Between input and output. At 0.5KV AC rms at 50Hz for 60 Sec. with a trip current of 5mA, between output and chassis.
IP Rating	IP20
LED INDICATIONS	
Charging Level LED	25%, 50%,75%, >100% (GREEN LED)
Fault LED	RED LED
Fully Charged	BATTERY Percentage LED constant ON
Seven Segment Indications	Power On, Charger On, Input Present, Battery Current, Battery Voltage, Boost Charging , Float Charging, Battery Charged, Loose Battery/low Battery/reverse Battery, Lead Acid Battery

Note: As part of regular product updates, specifications may be revised without prior notification.

Technical Specification

Model No.	LA2260
Battery Type	LEAD ACID BATTERY
Recommended Battery Capacity	130AH- 150AH
MAINS INPUT SPECIFICATION	
Input Voltage working range	125V to 300V AC ± 8VAC
I/P V range @Full Rated o/p current	185V to 280V AC ± 8VAC
Input frequency	47-63 Hz
Input current max	< 9.5Amp
Max. Input power	1650W
Input power factor @ through out the Range	0.995 to 0.925 upto 270V. Derate after 270V
Mains input Low cut	125VAC ± 8VAC
Mains input Low cut recovery	135VAC ± 8VAC
OUTPUT SPECIFICATION	
Max. output voltage	81.25V ± 1V
Output current	18A ±1A
Rated output Power	1500W
Efficiency	85% to 93% (@ through out the Range)
Charging Current Limit	Charging current limited to 18A±1A under overload condition.
Battery Reverse Connection	Charger relay remains OFF in reverse polarity
Charging Current Soft Start	N/A
PROTECTIONS	
Output over current protection	≥ rated max A+1 A
Output over voltage protection	≥ rated max V+1 V
Output short-circuit protection	ELECTRONIC PROTECTION
Output no-load protection	ELECTRONIC PROTECTION
Output reversal connect protection	ANDERSON CONNECTOR+ ELECTRONIC PROTECTION
Input over voltage protection	ELECTRONIC PROTECTION
Input undervoltage protection	ELECTRONIC PROTECTION
Over temperature Protection/Recovery	100°C ± 5°C / 65°C ± 5°C
CONNECTIONS	
Charger Output Connector	ANDERSON CONNECTOR SB50
OTHER REQUIREMENTS	
CC CV (CV mode activate)	4 Stage Charging Modes
Charging Current Soft Start	N/A
PRODUCT SAFETY	
DI - Electric voltage withstand test	At 1.5KV AC rms at 50Hz for 60 Sec. with a trip current of 5mA. a) Between Input and chassis. b) Between input and output. At 0.5KV AC rms at 50Hz for 60 Sec. with a trip current of 5mA, between output and chassis.
IP Rating	IP20
LED INDICATIONS	
Charging Level LED	25%, 50%,75%, >100% (GREEN LED)
Fault LED	RED LED
Fully Charged	BATTERY Percentage LED constant ON
Seven Segment Indications	Power On, Charger On, Input Present, Battery Current, Battery Voltage, Boost Charging , Float Charging, Battery Charged, Loose Battery/low Battery/reverse Battery, Lead Acid Battery

Note: As part of regular product updates, specifications may be revised without prior notification.

Technical Specification

Model No.	LA2248 P
Battery Type	LEAD ACID BATTERY
Recommended Battery Capacity	130AH- 150AH
MAINS INPUT SPECIFICATION	
Input Voltage working range	100V to 300V AC ± 8VAC
I/P V range @Full Rated o/p current	170V to 280V AC ± 8VAC
Input frequency	47-63 Hz
Input current max	< 8Amp
Max. Input power	1350W
Input power factor @ through out the Range	0.995 to 0.925 upto 270V. Derate after 270V
Mains input Low cut	100VAC ± 8VAC
Mains input Low cut recovery	115VAC ± 8VAC
OUTPUT SPECIFICATION	
Max. output voltage	65V ± 1V
Output current	18A ±1A
Rated output Power	1170W
Efficiency	85% to 93% (@ through out the Range)
Charging Current Limit	Charging current limited to 18A±1A under overload condition.
Battery Reverse Connection	Charger relay remains OFF in reverse polarity
Charging Current Soft Start	N/A
PROTECTIONS	
Output over current protection	≥ rated max A+1 A
Output over voltage protection	≥ rated max V+1 V
Output short-circuit protection	ELECTRONIC PROTECTION
Output no-load protection	ELECTRONIC PROTECTION
Output reversal connect protection	ANDERSON CONNECTOR+ ELECTRONIC PROTECTION
Input over voltage protection	ELECTRONIC PROTECTION
Input undervoltage protection	ELECTRONIC PROTECTION
Over temperature Protection/Recovery	90°C ± 5°C / 65°C ± 5°C
CONNECTIONS	
Charger Output Connector	ANDERSON CONNECTOR SB50
OTHER REQUIREMENTS	
CC CV (CV mode activate)	4 Stage Charging Modes
Charging Current Soft Start	N/A
PRODUCT SAFETY	
DI - Electric voltage withstand test	N/A
IP Rating	IP20
LED INDICATIONS	
Charging Level LED	25%, 50%,75%, >100% (GREEN LED)
Fault LED	RED LED
Fully Charged	BATTERY Percentage LED constant ON
Seven Segment Indications	N/A

Note: As part of regular product updates, specifications may be revised without prior notification.

Technical Specification

Model No.	LA2260 P
Battery Type	LEAD ACID BATTERY
Recommended Battery Capacity	130Ah- 150Ah
MAINS INPUT SPECIFICATION	
Input Voltage working range	125V to 300V AC ± 8VAC
I/P V range @Full Rated o/p current	185V to 280V AC ± 8VAC
Input frequency	47-63 Hz
Input current max	< 9.5Amp
Max. Input power	1650W
Input power factor @ through out the Range	0.995 to 0.925 upto 270V. Derate after 270V
Mains input Low cut	125VAC ± 8VAC
Mains input Low cut recovery	135VAC ± 8VAC
OUTPUT SPECIFICATION	
Max. output voltage	81.25V ± 1V
Output current	18A ±1A
Rated output Power	1500W
Efficiency	85% to 93% (@ through out the Range)
Charging Current Limit	Charging current limited to 18A±1A under overload condition.
Battery Reverse Connection	Charger relay remains OFF in reverse polarity
Charging Current Soft Start	N/A
PROTECTIONS	
Output over current protection	≥ rated max A+1 A
Output over voltage protection	≥ rated max V+1 V
Output short-circuit protection	ELECTRONIC PROTECTION
Output no-load protection	ELECTRONIC PROTECTION
Output reversal connect protection	ANDERSON CONNECTOR+ ELECTRONIC PROTECTION
Input over voltage protection	ELECTRONIC PROTECTION
Input undervoltage protection	ELECTRONIC PROTECTION
Over temperature Protection/Recovery	100°C ± 5°C / 65°C ± 5°C
CONNECTIONS	
Charger Output Connector	ANDERSON CONNECTOR SB50
OTHER REQUIREMENTS	
CC CV (CV mode activate)	4 Stage Charging Modes
Charging Current Soft Start	N/A
PRODUCT SAFETY	
DI - Electric voltage withstand test	N/A
IP Rating	IP20
LED INDICATIONS	
Charging Level LED	25%, 50%,75%, >100% (GREEN LED)
Fault LED	RED LED
Fully Charged	BATTERY Percentage LED constant ON
Seven Segment Indications	N/A

Note: As part of regular product updates, specifications may be revised without prior notification.

Technical Specification

Model No.	LA2548 P
Battery Type	LEAD ACID BATTERY
Recommended Battery Capacity	130Ah -160Ah
MAINS INPUT SPECIFICATION	
Input Voltage working range	125V to 300V AC ± 8VAC
I/P V range @Full Rated o/p current	180V to 280V AC ± 8VAC
Input frequency	47-63 Hz
Input current max	< 9Amp
Max. Input power	1620W
Input power factor @ through out the Range	0.995 to 0.925 upto 270V. Derate after 270V
Mains input Low cut	125VAC ± 8VAC
Mains input Low cut recovery	135VAC ± 8VAC
OUTPUT SPECIFICATION	
Max. output voltage	65V ± 1V
Output current	22A ± 1A
Rated output Power	1440W
Efficiency	85% to 93% (@ through out the Range)
Charging Current Limit	Charging current limited to 22A±1A under overload condition.
Battery Reverse Connection	Charger relay remains OFF in reverse polarity
Charging Current Soft Start	N/A
PROTECTIONS	
Output over current protection	≥ rated max A+1 A
Output over voltage protection	≥ rated max V+1 V
Output short-circuit protection	ELECTRONIC PROTECTION
Output no-load protection	ELECTRONIC PROTECTION
Output reversal connect protection	ANDERSON CONNECTOR+ ELECTRONIC PROTECTION
Input over voltage protection	ELECTRONIC PROTECTION
Input undervoltage protection	ELECTRONIC PROTECTION
Over temperature Protection/Recovery	95°C ± 5°C / 65°C ± 5°C
CONNECTIONS	
Charger Output Connector	ANDERSON CONNECTOR SB50
OTHER REQUIREMENTS	
CC CV (CV mode activate)	4 Stage Charging Modes
Charging Current Soft Start	N/A
PRODUCT SAFETY	
DI - Electric voltage withstand test	N/A
IP Rating	IP20
LED INDICATIONS	
Charging Level LED	25%, 50%,75%, >100% (GREEN LED)
Fault LED	RED LED
Fully Charged	BATTERY Percentage LED constant ON
Seven Segment Indications	N/A

Note: As part of regular product updates, specifications may be revised without prior notification.

#TheWiseChoice

Eastman Assure™ Promise

Round-the-Clock Service

At Eastman, great products deserve equally great service. Through Eastman Assure, we've built a customer-first ecosystem that ensures quick resolutions, proactive support, and peace of mind — every step of the way.

AI-Powered Voice Bot

- Get instant support anytime without waiting or follow-ups.
- Raise requests and check warranty or complaint status in seconds.

78884 78885

24x7 Call Centre

- Expert help is always available, day or night.
- Quick, reliable support for installation, service, and troubleshooting.

1800-419-8610

Online Complaint Management

- Track your complaint in real time with complete visibility.
- Stay informed at every step until your issue is resolved.

Eastman Assure Portal

- One place for all your service needs, simple and convenient.
- Manage warranty, complaints, and service history with ease.

We are 24x7 Available!

+91 78728 78728	1800 419 8610	www.eastmanassure.com
WhatsApp	Toll Free Number	Service Portal



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Eastman Assure

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