



GLOBAL ELECTRIC

GLOBAL ELECTRIC VEHICLES COMPANY

9899094651



UTL

EV3LA SMF BATTERY CHARGER



Deep Discharge
Charging Capability



SMPS based
fully automatic



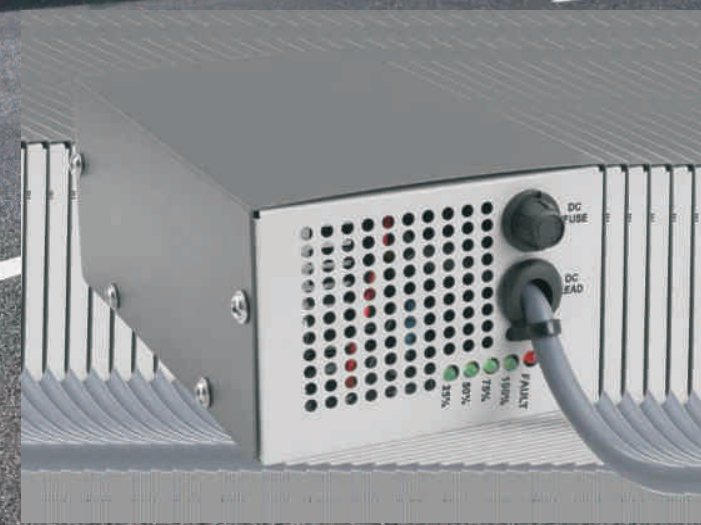
Easy-to-understand
battery charging
Status LED



Digital Control Circuit
with Micro Controller.



Charging Range
170V - 300V



✉ Globalelectricvehiclescompany@gmail.com

🌐 www.globalelectricvehiclescompany.com



GLOBAL ELECTRIC

GLOBAL ELECTRIC VEHICLES COMPANY

9899094651

TECHNICAL SPECIFICATION

SMPS Charger	48V/3A
Topology	Flyback Topology
Control	Controller
AC Input	
AC Input Voltage - range	170V - 300 VAC
AC Input Voltage - nominal	230 VAC
AC Input Frequency	50Hz
AC Input Current - Nominal	1.6 A
Connection Type	FR Grade 3 core AC Input lead with AC plug
DC Output	
Battery Type	EV SMF, Lead Acid
Battery Capacity	20AH-30AH
Nominal Battery Voltage	48VDC
DC Output Current	3A \pm 0.5A
Connection Type	3 Pin Computer socket with 2 core cable (Output)
Protections	
Output overload	Current limit by internal circuit
Output short circuit	Protected by internal circuit
Battery reverse	Protected by DC fuse
Cooling	FAN COOL
LED Indications	
Output Charging Status	25%, 50%, 75%, 100%
Fault	Red
Environmental	
Operating Temperature	0°C to +50°C
Altitude	upto 2000m
Storage Temperature	-10°C to +60°C
Physical	
Dimensions (LXWXH)	150MM X 90MM X 60MM
Net Weight	711 GM



Office : #2, Street No 3, 12 Biswa, Behind Bharat Petrol Pump, Sector-5, Sheetla Mata Mandir Road, Gurugram-122001 Haryana



Globalelectricvehiclescompany@gmail.com



www.globalelectricvehiclescompany.com



GLOBAL ELECTRIC

GLOBAL ELECTRIC VEHICLES COMPANY

9899094651



UTL



E-Rickshaw

BATTERY CHARGER



**Deep Discharge
Charging Capability**



Long Life...



**Also Reliable at
High Voltage**

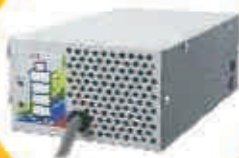


✉ Globelectricvehiclescompany@gmail.com

🌐 www.globelectricvehiclescompany.com



GLOBAL ELECTRIC



E-Rickshaw BATTERY CHARGER

- Robust Cabinet With Robust Anderson Con.
- SMPS based fully automatic.
- Digital Control Circuit with powerful Micro Controller.
- Intelligent Fast Charging
- 4 Stage Charging Profile
- Rejuvenate Battery by Pulse Charging

TECHNICAL SPECIFICATION

BATTERY CHARGER NPFC PRO	48V-16A	48V-18A	60V-15A
AC Input			
AC Input Voltage - range	170 - 280 VAC		
AC Input Voltage - nominal	230 VAC		
Output current derating voltage	<180 VAC		
AC Input Frequency	50Hz ± 3Hz		
AC Input Current - nominal	6.6A	8.4A	8.6A
Switching Frequency	50 kHz		
Topology	Half - Bridge		
Connection Type	1.25 meter length with 3 core, 3pin- AC plug		
DC Output			
DC Output Voltage (VDC)	64.0 - 65.0		81.0
DC Output Current	16A ± 0.5A	18A ± 0.4A	15A ± 0.5A
Peak Efficiency	88%		
DC Output Line & Load Regulation	Tolerance ± 2%		
Ripples	< 2%		
Connection Type	Anderson Connector with 2 core 3.0sq.mm, 1 meter length cable		
Protections			
Output Overload	Current limit by internal circuit		
Output Short Circuit	Protected by internal circuit		
Output over voltage	Shutdown Output voltage, Reset to recover		
Over temperature with auto recovery	Shutdown Output voltage, recover automatically after temp goes down		
Battery reverse	Protected by DC Fuse		
Cooling	Fan Cooled		
Operation			
AC input Present	Green LED Glowing		
Status LED	25%, 50%, 75%, <90%, 100%, MAINS		
Battery Details			
Battery Type	Lead-Acid, Tubular Batteries		
Battery Capacity	100-150 Ah		
Environmental			
Operating Temperature	0° to +50°C		
Storage Temperature	-10°C to +60°C		
Humidity	40°C, 95% RH		
Vibration Test	Pass		
Physical			
Dimensions (LxBxH)	240mm x 155mm x 100mm		
Net Weight	2.6kg		
Enclosure	Metallic		
Warranty (Months)	24		

*Specification are subject to change without prior notice due to constant improvement in design & technology.



GLOBAL ELECTRIC



E-Rickshaw BATTERY CHARGER

- Robust Cabinet With Robust Anderson Con.
- SMPS based fully automatic.
- Highly Efficient
- Digital Control Circuit with Powerful Micro Controller.
- Intelligent Fast Charging
- 4 Stage Charging Profile
- Rejuvenate Battery by Pulse Charging.
- Available in CAN communication.



TECHNICAL SPECIFICATION

Charger Capacity PFC PRO	48V-20A	60V-18A	48V-16A LI	48V-20A LI	60V-18A LI
AC Input					
AC Input Voltage - range	105-285 VAC				
Output current derating	<180VAC				
AC Input Voltage - nominal	230 VAC				
AC Input Frequency	50Hz ± 3Hz				
AC Input Current	7.0A Nominal				
Switching Frequency	50 kHz				
Topology	Half Bridge with PFC				
Connection Type	1.25 meter length with 3 core, 3pin-16AAC Top				
DC Output					
DC Output Voltage Nominal (VDC)	48	60	48	20A	60
DC Output Current ± 0.4A	20A	18A	16A	20A	18A
Efficiency	88%				
DC Output Line & Load Regulation	Tolerance ± 2%				
Ripples	< 2%				
Connection Type	Anderson Connector with 2 core ,3.0sq.mm, 1 meter length cable SBS 75X Anderson Connector for CAN Communication				
Protections					
Connection Type	Current limit by internal circuit				
Output overload	Protected by internal circuit				
Output short circuit	Shutdown by internal circuit				
Output over voltage	Shutdown Output voltage, Reset to recover				
Over temperature with auto recovery	Shutdown Output voltage, recover automatically after temp goes down				
Battery reverse	FUSE / RELAY				
Cooling	Fan Cooled				
Operation					
AC input Present	Green LED AC Glowing				
Battery Status	Green LED Glowing 25%, 50%, 75%, 100%				
Communication	CAN Interfacing for Lithium Ion Battery				
Battery Details					
Battery Type	Lead-Acid Batt.			LI Batt.	
Battery Capacity (Ah)	120-160	120-150	60-80	80-100	60- 80
Environmental					
Operating Temperature	0° to +50°C				
Storage Temperature	-10°C to +60°C				
Humidity	40°C, 95% RH				
Vibration Test	Pass				
Physical					
Dimension (L xBxH)	283mm X 161mm X 104mm				
Weight	3.2Kg				
Enclosure	Metallic				
Warranty (Months)	24			12	

*Specification are subject to change without prior notice due to constant improvement in design & technology.



GLOBAL ELECTRIC



E-Rickshaw DC - DC CONVERTER

- Designed to meet adverse Indian climatic condition.
- Input Reverse Connection Protection (Internal fuse).
- Best performance due to High Efficient PWM.
- Aluminum Alloy Cabinet with good heat dissipation and shock absorption.
- Low Battery cut off.
- Output Short Circuit Protection.
- Waterproof, IP65.

TECHNICAL SPECIFICATION

DC-DC CONVERTER	10A
DC-Input	
DC input Voltage range	40VDC-60VDC
Nominal DC Input Voltage	48VDC
DC-Output	
DC-Output voltage	13.2VDC ±0.4V
DC-Output current	10A Constant
DC Output Peak current	15A Peak
DC Output Line & Load Regulation	Tolerance ±2% at cable
DC Output Ripple	<300mV
Efficiency	> 90%
Protection	
Overload Protection	Available
Output Short Circuit Protection	Available
Output Over Voltage Protection	Available
Input Under Voltage Protection	Available (Input low cut <40Vdc)
Input Battery Reverse Protection	Through Fuse
Environmental	
Operating Temperature	0°C to 50°C
Storage Temperature	-10°C to +60°C
Mechanical	
Input /Output Terminal	Auto Mobile 3 pin male connector (DJ7031A-2.8) and (TTP-23MN)
Enclosure Material	Aluminum
Ingress Protection	65
Dimensions (LxWxH) mm	96 x 55 x 45
Weight	280gm

*Specification are subject to change without prior notice due to constant improvement in design & technology.



GLOBAL ELECTRIC

GLOBAL ELECTRIC VEHICLES COMPANY

9899094651

The Power...

As and when you need it.



Inverters | Batteries | Solar PCUs | Online UPSs | EV Chargers | Lithium Batteries |
Solar Inverters | Solar Panels | LED TV | WASHING MACHINE | LED Lantern | LED Torch | Solar Kit



GLOBAL ELECTRIC

📍 Office : #2, Street No 3, 12 Biswa, Behind Bharat Petrol Pump, Sector-5, Sheela Mata Mandir Road, Gurugram-122001 Haryana

✉️ Globelectricvehiclescompany@gmail.com

🌐 www.globelectricvehiclescompany.com



GLOBAL ELECTRIC

GLOBAL ELECTRIC VEHICLES COMPANY

9899094651

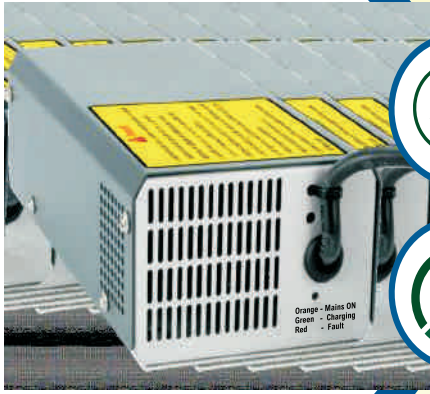


UTL

ई-वी

बैटरी चार्जर

12
Month
Warranty



हाई वोल्टेज पर भी
खराब ना हो



चलता रहे
सालो साल...

FEATURES

- 140 वोल्ट इनपुट पर भी चार्ज करे
- मजबुत केबिनेट
- एस एम पी एस बेस्ड फुल्ली एटोमेटिक
- शक्तिशाली माइक्रो कंट्रोलर के साथ

बैटरी चार्जर

12
Month
Warranty

FEATURES

- 140 वोल्ट इनपुट पर भी चार्ज करे
- मजबुत केबिनेट
- एस एम पी एस बेस्ड फुल्ली एटोमेटिक
- आसानी से समज मे आने वाली बैटरी चार्जिंग ग्राफ
- शक्तिशाली माइक्रो कंट्रोलर के साथ

हाई वोल्टेज पर भी
खराब ना हो



चलता रहे
सालो साल...





GLOBAL ELECTRIC

GLOBAL ELECTRIC VEHICLES COMPANY

9899094651



ई-वी बैटरी चार्जर

SMPS Charger	
Topology	Half Bridge
Control	DSP Micro Controller
AC Input	
AC Input Voltage - range	170V - 300 VAC
AC Input Voltage - nominal	230 VAC
AC Input Frequency	50Hz \pm 3Hz
AC Input Current - maximum	1.5A
Connection Type	FR Grade 3 core AC Input lead with AC plug
DC Output	
Battery Type	Li-ION (NMC), LFP
DC Output Voltage	54.6VDC \pm 0.3VDC, 58.8VDC \pm 0.3VDC, 67.2VDC \pm 0.2VDC
DC Output Current	6A \pm 0.5A
Connection Type	3 Pin Computer socket with 2 core cable (Output)
Protections	
Output overload	Current limit by internal circuit
Output short circuit	Protected by internal circuit
Output over voltage	Shutdown Output voltage, Repower ON recover
Over temperature	temp goes down
Battery reverse	Protected by DC fuse
LED Indications	
AC input Present	Orange LED Glowing
DC output Charging	Green LED Blinking
Fault	Red
Environmental	
Operating Temperature	0°C to +50°C
Altitude	upto 2000m
Storage Temperature	-10°C to +60°C
Physical	
Dimensions	W=100.1mm, H=70.1mm, L=209mm
Net Weight	1.34kg

*Specification are subject to change without prior notice due to constant improvement in design & technology.

✉ Globelectricvehiclescompany@gmail.com

🌐 www.globelectricvehiclescompany.com

ई-वी बैटरी चार्जर



Battery Charger	48V-8A LITHIUM ION
AC Input	
AC Input Voltage - range	160-275 VAC
AC Input Voltage - nominal	230 VAC
AC Input Frequency	50Hz \pm 3Hz
AC Input Current - maximum	3.5A
Connection Type	3-core AC cable with Plug
DC Output	
DC Output Voltage	54.6VDC \pm 0.5VDC, 67.2VDC \pm 0.2VDC
DC Output Current	8A \pm 0.3A
Peak Efficiency	88%
DC Output Line & Load Regulation	Tolerance \pm 2%
Ripples	< 2%
Connection Type	3 Pin Battery Connector
Protections	
Output Overload	Current limit by internal circuit
Output Short Circuit	Protected by internal circuit
Output over voltage	Shutdown Output voltage, Reset to recover
Over temperature with auto recovery	Shutdown Output voltage, recover automatically after temp goes down
Battery reverse	Protected by mosfet
Cooling	Fan Cooled
Operation	
AC input Present	Green LED Glowing
Status LED/Bar Graph	25%, 50%, 75%, 100%, AC
Battery Details	
Battery Type	Lithium ion battery
Battery Capacity	30Ah-40Ah
Environmental	
Operating Temperature	0° to +50°C
Storage Temperature	-10°C to +60°C
Humidity	40°C, 95% RH
Vibration Test	Pass
Physical	
Dimensions	W=130mm, H=115mm, D=225mm
Weight	1.7kg
Enclosure	Metallic

*Specification are subject to change without prior notice due to constant improvement in design & technology.



GLOBAL ELECTRIC

GLOBAL ELECTRIC VEHICLES COMPANY

9899094651



ई-वी बैटरी चार्जर

Battery Charger	60V-10A LITHIUM ION
AC Input	
AC Input Voltage - range	160-275 VAC
AC Input Voltage - nominal	230 VAC
AC Input Frequency	50Hz \pm 3Hz
AC Input Current - maximum	4.5A
Connection Type	3-core AC cable with Plug
DC Output	
DC Output Voltage	67.2VDC \pm 0.2VDC
DC Output Current	10A \pm 0.3A
Peak Efficiency	88%
DC Output Line & Load Regulation	Tolerance \pm 2%
Connection Type	3 Pin Battery Connector
Protections	
Output Overload	Current limit by internal circuit
Output Short Circuit	Protected by internal circuit
Output over voltage	Shutdown Output voltage, Reset to recover
Over temperature with auto recovery	Shutdown Output voltage, recover automatically after temp goes down
Battery reverse	Protected by mosfet
Cooling	Fan Cooled
Operation	
AC input Present	Green LED Glowing
Status LED/Bar Graph	25%, 50%, 75%, 100%, AC
Battery Details	
Battery Type	Lithium ion battery
Battery Capacity	30Ah-45Ah
Environmental	
Operating Temperature	0° to +50°C
Storage Temperature	-10°C to +60°C
Humidity	40°C, 95% RH
Vibration Test	Pass
Physical	
Dimensions	W=160mm, H=110mm, D=310mm
Weight	<3.5kg
Enclosure	Metallic

*Specification are subject to change without prior notice due to constant improvement in design & technology.

ई-वी बैटरी चार्जर



Battery Charger	84V-10A LITHIUM ION
AC Input	
AC Input Voltage - range	160-275 VAC
AC Input Voltage - nominal	230 VAC
AC Input Frequency	50Hz \pm 3Hz
AC Input Current - maximum	5.5A
Connection Type	3-core AC cable with Plug
DC Output	
DC Output Voltage	84.0VDC \pm 0.5VDC
DC Output Current	10A \pm 0.3A
Peak Efficiency	88%
DC Output Line & Load Regulation	Tolerance \pm 2%
Connection Type	3 Pin Battery Connector
Protections	
Output Overload	Current limit by internal circuit
Output Short Circuit	Protected by internal circuit
Output over voltage	Shutdown Output voltage, Reset to recover
Over temperature with auto recovery	Shutdown Output voltage, recover automatically after temp goes down
Battery reverse	Protected by mosfet
Cooling	Fan Cooled
Operation	
AC input Present	Green LED Glowing
Status LED/Bar Graph	25%, 50%, 75%, 100%, AC
Battery Details	
Battery Type	Lithium ion battery LFP / NMC
Battery Capacity	30Ah-45Ah
Environmental	
Operating Temperature	0° to +50°C
Storage Temperature	-10°C to +60°C
Humidity	40°C, 95% RH
Vibration Test	Pass
Physical	
Dimensions	W=160mm, H=110mm, D=310mm
Weight	<3.5kg
Enclosure	Metallic

*Specification are subject to change without prior notice due to constant improvement in design & technology.

The Power.....

As and when you need it.



- < Online UPS
- < Inverter
- < Solar
- < Battery
- < Charger



GLOBAL ELECTRIC

📍 Office : #2, Street No 3, 12 Biswa, Behind Bharat Petrol Pump, Sector-5, Sheetla Mata Mandir Road, Gurugram-122001 Haryana

✉️ Globalelectricvehiclescompany@gmail.com

🌐 www.globalelectricvehiclescompany.com