



Celebrating
25 Years

TechnoVision®
PRODUCTIVE SOLUTIONS

Maximize Efficiency, Productivity and Power with **DC FLEXX**

THE SMART INDUSTRIAL CHOICE!



12V TO 21V
ADJUSTABLE
VOLTAGE
RANGE WITH 100A

~AC⚡DC~
POWER SOLUTIONS



KEY FEATURES

- Compact and Lightweight
- Programmable Charging Curve
- Automatic Battery Voltage Detection



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Features

- Wide Output Voltage Range
- High Efficiency
- Compact and Lightweight
- Durable Build
- Integrated Safety Mechanisms
- CAN Communication Support
- Fast Charging Capability
- User-Friendly Interface
- Environment-Friendly Design
- Programmable Charging Curve
- Automatic Battery Voltage Detection

Advantages

- Optimal Charging
- Flexible Charging Options
- Reliability and redundancy
- User-Friendly Interface
- Communication Capabilities

Protections

- Reverse Polarity
- Short Circuit
- Overcurrent Protection

Applications



Oil and Gas



Power



Automobile



Plastic Moulding



Defence



Chemical



Healthcare



Food Processing



Research



Precision Engg.



Aerospace



Mining

- ❖ Input Voltage : 230VAC \pm 10%
- ❖ Output Voltage : 12V to 21V
- ❖ Communication : CAN
- ❖ Input Frequency : 50 Hz
- ❖ Output Current : 100A
- ❖ For dry locations only
- ❖ Reverse Polarity
- ❖ Short Circuit
- ❖ Overcurrent Protection

Product Description :

The DC Flex Battery Charger is a versatile and high-performance charging solution designed to cater to a wide range of battery types and voltage requirements. It operates efficiently with input power, typically from AC sources, and converts it into regulated DC output that is suitable for charging batteries. With its compact design and robust construction, the DC Flex Charger is ideal for both portable and stationary applications, delivering reliable and efficient charging for a variety of industrial, automotive, and marine systems.

Input Specifications

Parameters	Ratings
Input AC Voltage	230VAC \pm 10%
Input Frequency Range	50 Hz \pm 5%
Power Factor	> 0.95 (Typical)
AC Current	9.3A/230VAC (Typical)
Inrush Current	Cold Start 50A at 230VAC
Leakage Current	<0.75mA/240VAC

Output Specifications

Parameters	Ratings
Output Voltage	12-21 VDC
Rated Current	100A
Rated Power	1500W
Ripple & Noise	180mVp-p (Max.)
Voltage Tolerance	\pm 2.0%
Line Regulation	\pm 0.5%
Load Regulation	\pm 2.0%
Setup, Rise Time	1800ms, 60ms/230VAC at full load
Hold Up Time	16ms/230VAC at 75% load (Typical) 10ms/230VAC at full load (Typical)
Efficiency	92% (Typical)

Protections

Parameters	Specifications
Control Protection	Reverse Polarity Short Circuit Overcurrent Protection
Physical Protection	Input circuit breaker, Charger output fuse + Circuit breaker, Charger current limit, Load current limit

Environmental Specifications

Parameters	Ratings
Operating Temperature	0 ~ +50°C
Storage Temperature	-10 ~ +60°C
Relative Humidity	20 ~ 95% RH non-condensing
Storage Humidity	10 ~ 95% RH non-condensing

Dimensions

Parameters	Ratings
Weight	11 Kg
Dimension	500mm (L) x 310mm (B) x 220mm (H)

Control and Monitoring Interface

Parameters	Ratings
Communication	CAN
LED Indication	Reverse Polarity Fault
Metering	Charging Voltage and Charging Current

OUR PRODUCTS

AC Solutions

- Industrial Inverters
- Static Voltage Stabilizers
- AVR 100 KVA to 2000 KVA
- Industrial UPS - 1KVA to 500KVA
- Isolation Transformer - 1KVA to 2000KVA
- Static Frequency Converter - 1KVA to 500KVA
- Servo Controlled Voltage Stabilizers - 1KVA to 300KVA

DC Solutions

- Battery Chargers – SCR /IGBT technology (10A to 1000A)
- Battery Chargers – SMPS technology (10 A to 500A)
- DC rails
- DC-DC converters
- Battery jump starters
- Solar Charge Controllers
- Lithium battery based Solutions



CONTACTS



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