

Power converters for utilities

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Industrial battery chargers, AC and DC UPS, battery monitoring, DC-DC modules, DC distribution boards, dischargers and pipeline power systems.

24-480 V DC · up to 4000 A

Generation to industry

100% designed and built in India



24-480 V

DC output range

10-4000 A

charger current range

±1 %

output voltage regulation

N+1

modular SMPS option

Industrial battery chargers

Chargers for every utility battery

Industrial battery chargers and power converters are Statcon Energiaa's flagship products, serving power generation, transmission, distribution and industrial projects. Design, manufacturing and testing are 100% Indian, and every step is done in-house.



Thyristor-based industrial battery chargers

For all types of lead-acid and Ni-Cd batteries.

24-220 V, up to 2500 A



Microprocessor-based industrial battery chargers

For all types of lead-acid and Ni-Cd batteries, with an RS-232 / RS-485 port.

24-220 V, up to 2500 A



SMPS-based modular battery chargers

Modular N+1 configuration.

24 / 48 / 110 / 220 V · 20-1000 A

IGBT-based advanced PFC technology charger

Constant current, constant voltage and boost-cum-float charging; dual, standby and parallel configurations; RS-485, Modbus, Profibus, CAN; digital metering and a touchscreen option.

24-220 V (custom available) · up to 1500 A

Built at Pilkhuwa

Since 1987, we have made customised products for critical utility applications, from green hydrogen generation and naval dockyards to rooftop solar and microgrid inverters, at our manufacturing works in Pilkhuwa, Uttar Pradesh.

General technical parameters of chargers

Technical parameters

	Value
Nominal input voltage range	230 V AC or 415 V AC, 50 Hz*
Output voltage range	24 V to 480 V DC*
Current range	10 A to 4000 A*
Input line current harmonics	As per IEEE 519-2022 on request
Input line power factor	>0.85 under rated conditions; up to 0.99 possible on request
Ripple	3% RMS*
Output voltage regulation	±1% of rated voltage
Type of cooling	Natural air cooled or forced cooling
Charging method	Constant voltage for float charging / constant voltage for boost charging
Rectifier transformer	Class F*
Efficiency at rated output	Up to 85%, depending on rating
Power factor	>0.8 lag at rated output and nominal input*
Communication	Potential-free contacts or RS-485 interface for remote monitoring*
Protection	AC UV/OV, DC UV, DC OV, charger overload, fuse for SCR, blocking diode for reverse leakage, soft start, surge suppressor, short circuit, reverse polarity protection (on request)
Indication	Mains on, DC on, charger fail, rectifier fuse fail, charger overload, DC under-voltage, AC UV/OV*
IP protection	IP20 / IP31 / IP42*

* Customisations available on request.

More products for power utilities

AC and DC UPS

For solar integration in trains, industrial set-ups and off-grid systems: multiple AC and DC outputs with integrated battery backup, solar support, wide input range of 90–300 V / 165–260 V.

24 / 48 / 110 V DC · up to 48 V / 800 A

Resistive load bank, discharger and regenerative discharger

Constant discharge current through closed-loop feedback with no operator needed; precise control and minimal power loss.

24–220 V · up to 2000 A

DC-DC converter modules

Customised modules in any input and output voltage combination, connected in N+1 configuration.

Battery monitoring system

For all types of lead-acid and Ni-Cd batteries: automatic 24x7 real-time monitoring of every cell, a touchscreen HMI, and RS-485, RS-232 or TCP/IP protocol.

48 / 110 / 220 V DC

DC distribution boards

Compartmentalised and non-compartmentalised boards, with battery health monitoring (BHMS).

24–220 V

Solar power systems for oil and gas pipelines

Grid chargers (25–850 A), advanced solar charge controllers (50–500 A) and scalable battery systems (24–220 V), for Ni-Cd, lead-acid and Li-ion batteries.

Power division enquiries: power.head@energiaa.in · 9910383514. Statcon Energiaa reserves the right to amend or modify this information without notice.