

PRODUCT BROCHURE · MANUFACTURED IN MUMBAI, INDIA

High Current Rectifier Manufacturer in India

High current DC rectifiers up to 10,000 A and beyond, built in Mumbai for plating, electrowinning and process industry loads. Air, oil and water cooled options.

High-current work punishes weak busbars, undersized cooling and marginal diodes. Our high-current rectifiers are built around generously rated stacks, heavy copper busbars and cooling matched to a continuous, not intermittent, duty.

Built for continuous duty

Ratings above roughly 2,000 A are specified for 100% duty at the plant's real ambient temperature, not a laboratory figure. Stack, transformer and busbar sizing all follow from that.

Cooling choices at high current

Air cooling suits most loads to a few thousand amps in ventilated shops. Oil-cooled construction handles dusty or hot environments and higher continuous ratings. Water cooling gives the highest power density where plant cooling water is available.

- Air cooled: simple, low maintenance, best in clean ventilated areas
- Oil cooled: robust in dusty, hot or corrosive plants
- Water cooled: highest current density, compact footprint

Protection and monitoring

Over-current, over-temperature, phase-failure and short-circuit protection come as standard, with digital metering and remote control options for integration with plant PLC systems.

Typical Specifications

Output current range	50 A to 10,000 A DC (higher on request)
Output voltage range	6 V, 12 V, 18 V, 24 V, 36 V and custom
Input supply	415 V $\pm$ 10%, 3 phase, 50 Hz (single phase for small units)
Cooling	Air cooled, oil cooled or water cooled
Control	Thyristor / SCR, IGBT or SMPS with digital metering
Protection	Over-current, over-temperature, phase failure, short circuit

Frequently Asked Questions

What is the maximum current rating you manufacture?

Standard builds run to 10,000 A DC, with higher ratings and parallel configurations engineered to order.

Should I choose air, oil or water cooling?

Air cooling suits clean, ventilated shops at moderate ratings; oil cooling suits dusty or hot plants; water cooling gives the highest current in the smallest footprint where cooling water is available.

Can high current rectifiers be controlled remotely?

Yes, remote setpoint control and PLC interfacing are available as options.

Request a Quotation

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