

Load Bank

CAPABILITY SHEET · REAL · REACTIVE · DC · ENGINEERED TO ORDER

THE ONE IDEA

PRINCIPLE	Real power is not the whole load.
WHY IT MATTERS	A resistive bank fills the engine of a generating set but not its alternator, so the bank adds reactive steps.

THE BANK

LOAD	Resistive steps for real power and reactive steps in the right ratio, so a set can be loaded at its rated power factor.
DC	A DC section holds current, power or resistance while the voltage changes, for batteries and DC supplies.
COOLING	Every watt becomes heat: a fan, or a closed water loop, carries it away, with thermal trips and an airflow interlock.
CONTROL	Manual selectors or a PLC run the steps, with voltage, current and power read at the bank itself.

THE METHOD

ORDER	Specify, connect, step, hold, reject and prove. The reactive load and the time to settle are what a quick order skips.
LIMITS	Test loads, limits and discharge rates come from the standard the customer names and from the duty, and are not printed here.

CONFIGURATIONS

PORTABLE BANK	An air-cooled bank on a skid or trolley, moved to the source, with the steps set by hand.
WATER-COOLED BANK	A closed water loop carries the heat away where hot air cannot be discharged.
PROGRAMMED BANK	Steps, profiles and load rejections run from a stored sequence and are logged, with a DC section where needed.

STANDARDS & SCOPE

STANDARDS	Public references: ISO 8528-6 and ISO 8528-5 for generating sets, and IEEE 450 and IEC 60896 for stationary lead-acid batteries.
SCOPE BOUNDARY	It is the general-purpose bank: not the aviation ground-power load bank, not a charger or rectifier, and not a dynamometer.
STATUS	Neometrix has quoted against successive load bank requirements, and no delivered general-purpose load bank is claimed.

DEFENCE PROGRAMMES DESK

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