

Power and Energy Solutions



POSSIBLE USES / TYPICAL APPLICATIONS



Dynamic software modules
Handling modules



Amusement rides
Big wheel



Logistics applications
Storage/retrieval system/
automated small-parts warehouse

ADVANTAGES AT A GLANCE



Scalability!

Distributed DC and AC infrastructure in any combination



Cost reduction!

- Auto-configuring components
- Greatly reduced peak power requirement of the application
- Reduction of energy costs thanks to storage capacitors in the DC link



Reliable!

- High availability of individual production cells
- Uninterrupted system operation in the event of a power failure
- Reduced harmonic load in the supply system



Flexible!

Faster change of the factory layout

AN OVERVIEW OF TECHNOLOGY



MDP92 power supply module with controlled DC link voltage	MDS switched-mode power supply module with AC and DC supply	MDC capacitor module DC link energy module	LSUM EDLC energy module Energy cabinet with EDLC modules
Nominal line voltage: 3 × AC 200 – 500 V	Input voltage: 1 × AC 200 V – 3 × AC 500 V or DC 150 V – 800 V	Voltage range: DC 0 – 800 V	Voltage range: DC 0 – 800 V
DC link voltage controlled: DC 0 – 800 V	Nominal output voltage: DC 24 V	Typical energy content: 2 kWh	Energy content up to: 3000 kWh
Nominal power: 25 kW	Nominal output current: 22.5 A	Connection via DC bus	Options for both parallel and series connection
Overload capacity: 160%		Option for parallel connection	