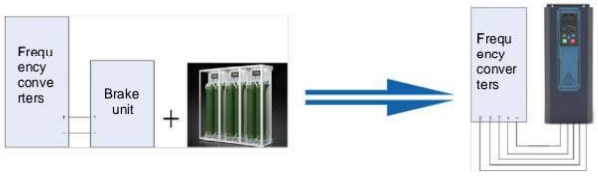
ENERGY RETURN SERIES

CL100 energy feedback unit

CL100 energy feedback unit adopts advanced control algorithm, which has the characteristics of high efficiency, high power factor and low harmonic interference. It is used in the occasions where electric energy regeneration during frequency conversion speed regulation and high requirements for harmonics and energy saving and emission reduction. The feedback unit ensures effective braking of frequency conversion speed regulation, and feeds back more than 95% of the regenerated electric energy to the power grid to achieve the purpose of energy saving and emission reduction.

Functional features

Small footprint, plug-and-play, easy to use, space-saving compared to traditional energy-consuming braking



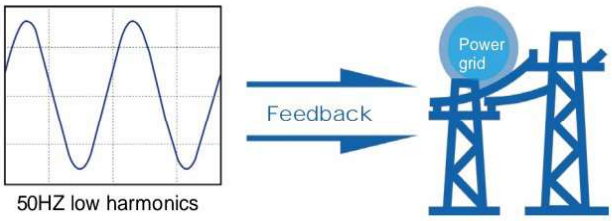
Renewable energy feeds back to the power grid, economical and energy-saving, compared with traditional energy consumption braking, the comprehensive energy saving rate is as high as 20%-60%

Compared to conventional energy consumption braking

Comprehensive energy saving rate

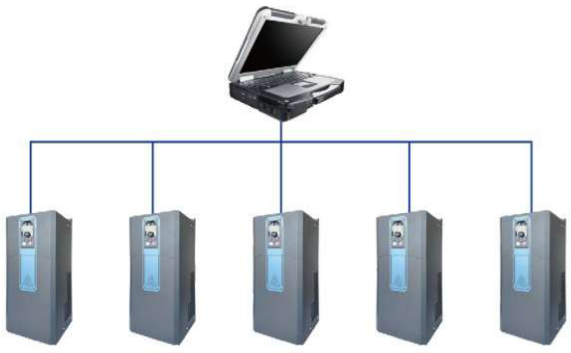
Up **20%-60%**

Low harmonic pollution, THD<5%



50HZ low harmonics

Built-in MODBUS communication protocol, convenient to achieve centralized monitoring, external control start and stop



Application industry

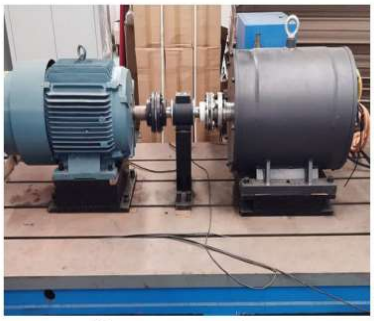

Lifting


colliery


centrifuge


oil field


lift


Dynamometer

Product naming

CL100 - A 4T - 55KW

①: Product Model:
CL100 energy feedback stand-alone series

②: Version Code:
First generation : empty
Upgrades: A, B, C

③: Adapt to motor

④: Voltage level
3S: Single phase 220V
4T: three-phase 380V
7T: three-phase 690V
.....

Technical specifications

project		specification
power supply	Grid voltage	Three-phase - 380V
	Grid frequency	45Hz~65Hz
control	Current control mode	Direct current control mode
	Working mode	Rectification/feedback
	Feedback start voltage	620V
	Fan control	Parameter selection
	Overtemperature protection	90℃
instructions	Status indication	Power indication, fault indication, feedback status indication, etc
environment	Installation site	Indoor, altitude is not more than 1000m, no direct sunlight, no conductive dust and corrosive gases
	Ambient temperature	-10~40°C, good ventilation
	Ambient humidity	90% RH or less (non-condensing)
	Vibration degree	0.5g or less