



## ENERGY REGENERATION PRODUCT DATA SHEET

### FEATURES

- ⊕ Designed with multiple protection functions such as over current protection, short circuit protection, over temperature protection and abnormal power grid voltage protection.
- ⊕ Power factor of the grid-side current is adjustable and the current feedback interconnection device is able to work with negative power factor.
- ⊕ The control system can be formed into a multi-unit parallel arrangement to facilitate energy regeneration.
- ⊕ Works without a dedicated transformer, allowing application versatility.
- ⊕ Includes a dedicated electric reactor with highly impact resistance, low iron core loss and long service life.
- ⊕ A swift dynamic response provides a large current output in a short period of time.
- ⊕ Long-lifespan ball bearing fans for forced air cooling are employed in our product to allow the whole device to have a low working temperature and high working efficiency.

### DESCRIPTION

Energy is generated when our lifts moves up with a light load, move down with a heavy load and during deceleration. Our regeneration system can capture and feed this energy back into the building's electrical system.



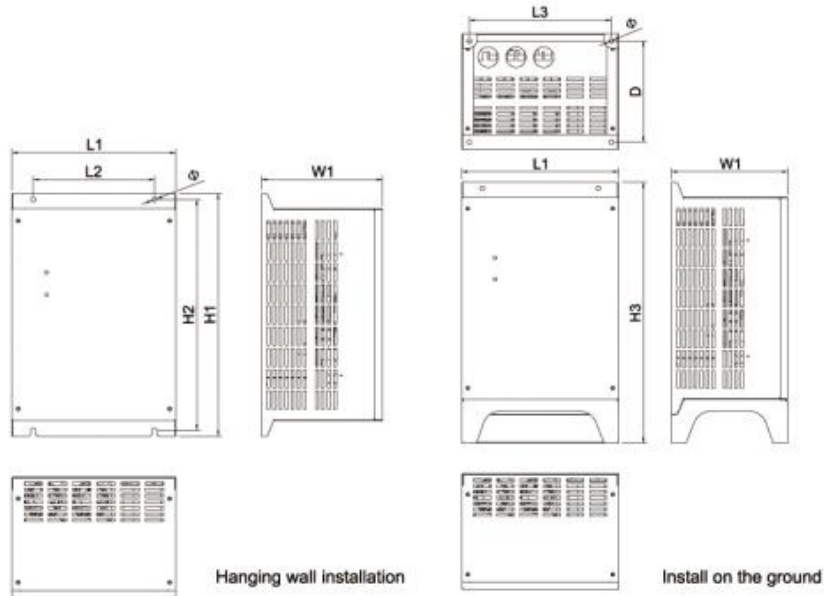
A multi-lift site can generate a significant portion of its own power.

The power generated from the system is low distortion, clean energy – this reduces the risk of damage to other building systems connected to the same electrical system. The amount of regeneration is dependent upon the system configuration, travel distances, speed and usage.

*Concept to Completion*

Flexibility in Design & Personalised Service

## SPECIFICATION



## INSTALLATION SIZE

Power (kW)	L1 (mm)	L2 (mm)	L3 (mm)	H1 (mm)	H2 (mm)	H3 (mm)	W1 (mm)	D (mm)	Φ (mm)
11-15	270	200	245	400	380	450	200	175	8
18.5-30	340	200	315	500	480	550	210	185	8

## TECHNICAL

Item No	6700	6701	6702	6703	6704
Match Lift Power kW	11	15	18	22	30
Peak Current A	17	24	28	34	42
Average Current A	9	12	14	17	21
Input	DC Input Voltage V	570V ~ 750V (optional hand-held operators), by default 630V			
	DC Voltage Protection Value	800V			
Output	Power Grid Voltage	380V			
	Power Grid Voltage Unbalance	±10%			
	Phase Unbalance	3%			
	Power Grid Frequency	50Hz			
	Power Grid Frequency Unbalance	±3Hz			
	AC Power Factor	≥0.99			
	Efficiency	≥96%			
	Feedback Current Harmonics (THD)	5%			
	Feedback Mode	Feedback in sine current mode			
	Control Algorithm	Space vector algorithm			
Protection	Protection Ability	Over-heating, Over voltage, Over current, Short circuit, Power grid failure			
	Protection Class	IP20			
	Cooling Method	Forced air cooling			
Environment	Installation Environment	Indoors, altitude no more than 1,000m, no conductive dust and corrosive gases			
	Ambient Temperature	-10°C ~ 40°C			
	Ambient Humidity	Less than 90% RH and no condensation			
	Vibration Degrees	Bigger than 9.8m/s <sup>2</sup> (1G) and less than 20Hz, or bigger than 1.6m/s <sup>2</sup> (0.2G) and range 20 to 50HZ			