Voltage Optimization Unit(Power Saver)

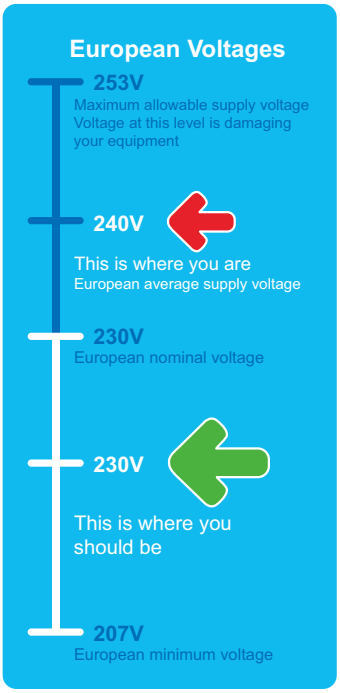
AC Power Conditioner

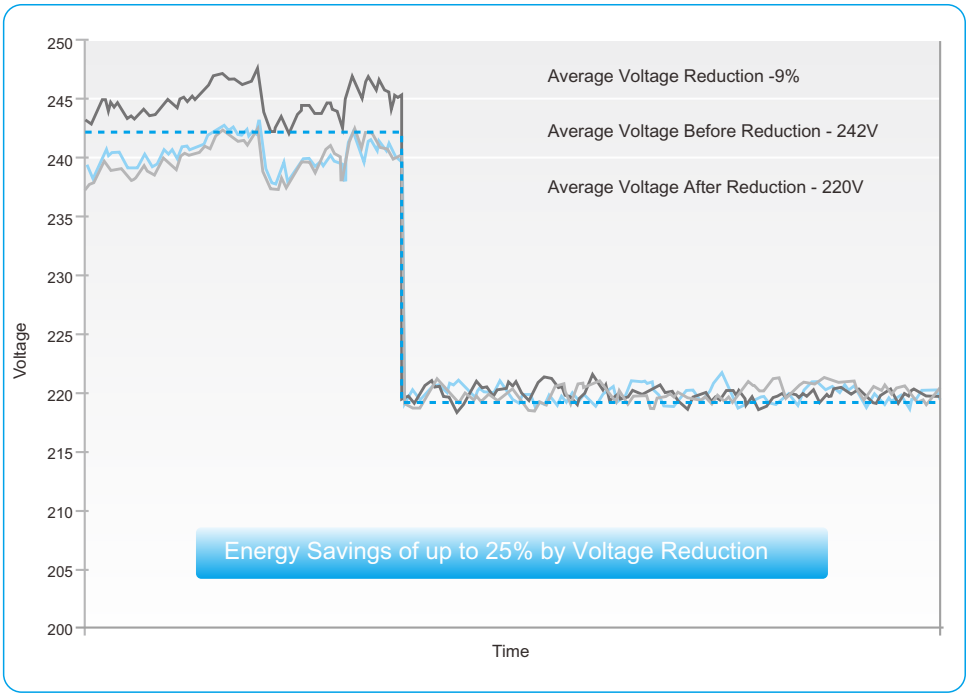
Overview

Electrical equipment is designed to accept a wide range of input voltages about its nominal design centre. However, if the actual supply is higher than necessary the equipment will consume more power than needed and in many cases, equipment life is reduced, effectively in creasing the cost of ownership.

A 230V linear appliance operated at 240V will consume approximately 9% more energy than necessary. A voltage reduction within statutory limits can produce up to 25%(subject to load) reduction in energy consumption and in addition will extend the life of many types of electrical equipments.

By reducing supply voltages to a controlled, site adjustable level, our Voltage Optimization Unit(VOU) allows equipment to operate at optimum efficiency. The result is lower overall running and ownership costs and reduced carbon footprint - each kWh of electrical energy saved is equivalent to 0.537kg of CO_2





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Features and Benefits

- Energy saving of up to 25%
- Fast return of investment (ROI) time
- Prolonged equipment life span
- High operational efficiency
- Adjustable configurations based on site requirements
- GPRS and Wireless Energy Monitors for real-time energy monitoring
- Protects equipment against failures due to over or under voltage
- Internal no-break bypass- allowing no power interruption during maintenance
- Single and three phase up to 5000KVA

Specifications

Input Voltage	Phase to neutral: 230V± 15% (195V~265V) adjustable
Output Voltage	Phase to neutral: 220V adjustable
Frequency	50/60 Hz
Voltage Regulation Mode	Independent phase regulation
Insulation Class	H class
Output Accuracy	± 1.5%
Cooling Type	Natural Air(AN)/Forced Air(AF)
Duty Type	Continuous
Protection Class	IP20(indoor), outdoor on request
Electrical Safety	CE equivalent
Operational Temperature	-20℃ to +45C °
Efficiency	>98%
GPRS	Remote control and monitoring the VO unit parameters
Master Controller	Set output voltages 225V, 220V and 215V by manual
Relative Humidity	<90%

Models & Dimensions

Model	Dimension(W×D×H)mm	Model	Dimension(W×D×H)mm
SJD-15KVA	300× 720× 1270	SJD-350KVA	500× 1050× 1800
SJD-20KVA	300× 720× 1270	SJD-400KVA	500× 1050× 1800
SJD-30KVA	300× 720× 1270	SJD-500KVA	600× 1250× 2000
SJD-50KVA	300× 720× 1270	SJD-600KVA	600× 1250× 2000
SJD-80KVA	300× 800× 1370	SJD-800KVA	600× 1250× 2000
SJD-100KVA	300× 800× 1370	SJD-1000KVA	800× 1800× 1900
SJD-120KVA	300× 800× 1370	SJD-1200KVA	1000× 1800× 1900
SJD-150KVA	400× 900× 1600	SJD-1500KVA	1000× 1800× 1900
SJD-180KVA	400× 900× 1600	SJD-2000KVA	1000× 1800× 1900 two cabinets
SJD-200KVA	400× 900× 1600	SJD-3000KVA	1000× 1800× 1900 two cabinets
SJD-250KVA	500× 1050× 1800	SJD-4000KVA	1000× 1800× 1900 three cabinets
SJD-300KVA	500× 1050× 1800	SJD-5000KVA	1000× 1800× 1900 four cabinets

We reserve the right to change specifications without notice due to continual improvements.