

Customised Power Quality Management & Backup



DATA SHEET

Power

Renewables

Build to Spec

Safety

Customer Service

powerinnovations.com

Q-LS-60-160

APPLICATIONS

- Data centres and telecoms hardware
- Airport security and traffic management
- Military and public safety services

BENEFITS

- Customised design to match exact requirements
- Input & output isolation
- Multiple input/output voltages available
- Modular and scalable (power and charger)
- Active or redundant power configurations
- Rugged - shake, vibrate, temperature, altitude
- Highest MTBF and lowest MTTR

FEATURES

- High resolution sine-wave output
- True galvanic isolation and EMI suppression
- Self-diagnosing plug and play modular design
- Superior battery testing, monitoring and management

Q-LS-60-160

60-160kVA Power Quality Management & Backup

Q-LS 60-160 customised quality power systems provide superior power conditioning and uninterruptible power for critical applications. The electrical design provides a pure, high-resolution sine-wave output, and is intended to be connected to one or more battery modules to provide uninterruptible power during supply fluctuations or failures.

The Q-LS system is rarely delivered as a standard product because they are **customised** to meet your exact requirements. Let us know precisely what you need and we will design the system to fit perfectly.

For a specified backup time your QLS system will need a certain amount of connected battery capacity. Please see the **Q-LS battery calculator** to know exactly what you will need.

SEE ALSO

[Q-LS Battery Calculator](#)

	Q-LS Version	80	100	120	160
kVA/kW		80/64	100/80	120/96	160/128
Input voltage		Three Phase (Delta): 208,380, 400, 415, 440, 480, 600,690 - Split Phase: 120/240 - Single Phase: 110, 115, 120, 138, 220, 230, 240			
Input frequency		50/60Hz (30-75Hz)			
Input power factor		Three phase: 0.8			
Battery compatibility		Sealed lead acid, 296-405V DC			
Output voltage		Three Phase (Wye): 208,380, 400, 415, 440, 480, 600,690 - Split Phase: 120/240 - Single Phase: 110, 115, 120, 138, 220, 230, 240			
Output frequency		50/60Hz +/- 0.1Hz (selectable)			
Inverter overload		<115%: Continuous - 116-124%: 15min 125-149%: 5min - >150%: 30sec			
Operating environment		Temperature: -40°C (32-104°F) Humidity: 0-95% (non-condensing) Altitude: <1500m above sea level			
Weight (approx)		950kg (210lb)	1250kg (2750lb)	1400kg (3100lb)	1600kg (3500lb)
Dimensions (HxWxD)		1700mm x 1300mm x 900mm (69" x 51" x 36")			