



We set the standard. Since 1977

LIFEGUARD®

PORTABLE POWER SOLUTIONS



Electrical

LIFEGUARD® PSOA

LIFEGUARD® 6.4 AND 6.6 PSOA

The LIFEGUARD® 6.4 and 6.6 are single phase Portable Socket Outlet Assemblies (PSOA).

Built to AS/NZS 3190 and compliant for use in AS/NZS 3002 Shows and Carnivals and AS/NZS 3012 on Construction Sites.

- Available in 10A or 15A plugs or sockets
- Suitable for use on building, construction and demolition sites

- Custom colours available
- Manufactured from high-impact polyethylene
- Meets specifications required by Worksafe
- Can be built to meet specific requirements
- Proudly made by Jackson Industries, NZ owned and operated



LG6.4 PSOA

LG6.6 PSOA

See table on page 10 for LG6 connection options

SPECIFICATIONS

SUPPLY INPUT POWER	10A or 15A single phase + N + E
FREQUENCY	50 - 60Hz
RCD	2 pole, 30mA, 230VAC 10kA rating
SOCKET OUTLETS	4x or 6x double pole, auto-switching socket outlet
IP RATING	66
MATERIALS	High impact corrosion resistant polyethylene enclosure
WEIGHT	2kg (approximate)
CABLE LENGTH	1.8m (approximate)
DIMENSIONS (MM)	LG6.4 - 288L x 225W x 145H LG6.6 - 435L x 225W x 145H

LIFEGUARD® 7

TEMPORARY POWER RETICULATION SYSTEM

Manufactured to AS/NZS 3012 for construction and demolition sites.

Incorporated RCDs break the electrical circuit, should a faulty tool be used or a wiring fault develop, causing current leakage to earth.

- Reduces site establishment costs
- Provides a safe working environment
- Simplifies site expansion

- Interconnects to supply power to multi-storey or large construction sites
- Alternative sockets available to suit specific requirements
- Small and Large enclosures
- Proudly made by Jackson Industries, NZ owned and operated



LG7S (Small)

LG7L (Large)

See table on page 10 for LG7 connection options

SPECIFICATIONS

SUPPLY INPUT POWER	32A or 63A, three phase + N + E, 415VAC
FREQUENCY	50 - 60Hz
RCD	4 pole, 30mA, 230 - 415VAC
MCB	1x 32A 3 pole, 4x 16A 1 pole
SOCKET OUTLETS	4x or 6x 15A auto switching outlets with 230VAC 1x 32A three phase 3P + N + E 415VAC 1x LG16 Take-off
IP RATING	44 - 66
MATERIALS	High impact corrosion resistant polyethylene enclosure
INTERCONNECTION	32A three phase + N + E, 415VAC, IEC60309
DIMENSIONS (MM)	LG7S - 345L x 283W x 263H LG7L - 375L x 298W x 305H

LIFEGUARD® 9

WALL MOUNTED & PORTABLE POWER SUPPLY

- Wall and generator mounting options - vertical or horizontal
- Portable configuration also available
- Can be manufactured with a wide range of socket configurations
- All internal wiring is complete to terminals for incoming cables or an appliance inlet for portable configuration
- RCD protected power outlets
- Moulded carry/tie bars
- Colour options available
- Proudly made by Jackson Industries, NZ owned and operated



LG9

See table on page 10 for LG9 connection options

SPECIFICATIONS

SUPPLY INPUT POWER	32A or 63A, single or three phase + N + E, 230-415VAC
FREQUENCY	50-60Hz
RCD TRIP CURRENT	30 or 100mA
SOCKET OUTLET CURRENT	10 - 63A
IP RATING	56
MATERIALS	High impact, corrosion resistant rotaform plastic enclosure
RATED CURRENT	10 - 63A
DIMENSIONS (MM)	682L x 184W x 431H

LIFEGUARD® 16

PORTABLE POWER SUPPLY

Manufactured to AS/NZS 3012 for construction and demolition sites.

Can be fed from LIFEGUARD® 83, 17 or as its own stand alone reticulation system.

- Additional sockets available to suit specific requirements

- Most popular choice for larger construction sites
- Interconnects in various ways to supply power to multi-storey or large construction site
- Proudly made by Jackson Industries, NZ owned and operated



LG16

See table on page 10 for LG16 connection options

SPECIFICATIONS

SUPPLY INPUT POWER	32A, three phase + N + E, 415VAC IEC
FREQUENCY	50 - 60Hz
RCD	4 pole, 30mA, 230 - 415VAC
SOCKET OUTLETS	1x 32A three phase, 3P + N + E, 415VAC 1x 16A single phase, 2P + E IEC 8x 15A single phase 2P + E, 230VAC
IP RATING	44 - 66
MATERIALS	High impact corrosion resistant polyethylene enclosure
INTERCONNECTION	32A, three phase + N + E, 415VAC, IEC60309
WEIGHT	15kg
DIMENSIONS (MM)	460L x 460W x 465H

LIFEGUARD® 17

ASSEMBLY FOR CONSTRUCTION SITE (ACS)

Built to comply with AS/NZS 3012 for construction and demolition sites.

Perfect choice for medium to large multi and single storey construction sites.

- Reduces your site establishment costs
- Provides a safer environment for your staff
- Simplifies changes as your site expands

- Comes with 2x LG16 supply feeds
- Additional socket outlets to suit customer requirements
- Can be fitted with specialist outlets and current monitoring facilities for the film industry
- Proudly made by Jackson Industries, NZ owned and operated



LG17

See table on page 10 for LG17 connection options

SPECIFICATIONS

SUPPLY INPUT POWER	63A, three phase + N + E, 415VAC IEC
FREQUENCY	50 - 60Hz
RCD	4 pole, 30mA, 230 - 415VAC
SOCKET OUTLETS	12x 15A single phase, 2P + E, 230VAC 2x 32A three phase, 3P + N + E, 415VAC 2x LG16 Takeoff IEC 1x 16A single phase, 2P + E IEC
IP RATING	44 - 66
MATERIALS	High impact corrosion resistant polyethylene enclosure
INTERCONNECTION	63A, three phase + N + E, 415VAC, IEC60309
WEIGHT	20kg
DIMENSIONS (MM)	460L x 460W x 650H

LIFEGUARD® 83

MASTER SWITCHBOARD

Fully adaptable to include MCCB main switch of up to 600 amps, wall mounting straps, in ground mounts, power lock connectors, also provision for metering, crane connections and Alimaks.

- For the primary distribution of power
- Used throughout major construction projects
- Provides master isolation, sub circuit protection including sub-board distribution (typically LG16, LG17 and LG7 units)
- Site hut reticulation (LG15.06)
- Provision for lighting
- Fitted with RCDs to provide protection against electrocution and electric shock
- Alternative sockets available to suit specific requirements
- Proudly made by Jackson Industries, NZ owned and operated



LG83 (Inside)



LG83

See table on page 10 for LG83 connection options

SPECIFICATIONS

INPUT POWER	125A to 600A, 415VAC 50Hz
GEAR TRAY	GRP (Glass-reinforced plastic)
SOCKET OUTLET CURRENT	10A -125A
DOOR	Lockable
MOUNTING	Galvanised steel tube frame with punctureproof wheels
IP RATING	44 - 66
MATERIALS	GRP
DIMENSIONS (MM)	1230L x 740W x 1540H

Earth Screened Cables

SINGLE PHASE CABLES

- Available in 15A, 16A and 32A
- 10m, 20m and 30m standard lengths, custom lengths also available
- Designed for use on construction sites and similar environments

THREE PHASE LIFEGUARD® CABLES

- Available in 32A, 63A and 125A. Other amperages available upon request
- 10m, 20m and 30m standard lengths, custom lengths also available
- Rugged 6mm², 16mm² and 35mm² Earth Screened cable
- Designed for use on construction sites and similar environments
- Suitable for interconnection of the LIFEGUARD® power reticulation system, as per Appendix K of AS/NZS 3012

Our Earth Screened cables include the following:

- Lead supplied tested, tagged and ready for use
- Cable printing available

Copper braided screen

- Provides protection for the cores
- Acts as the earth to provide maximum safety

Plugs & Connectors

- IP67 rated
- Comply with IEC60309 and AS/NZS 3112
- Fitted at the ends of each lead



15A Single Phase Cable

32A Three Phase Cable

63A Three Phase Cable

See table on page 10 for Cable connection options

SPECIFICATIONS

VOLTAGE	250/440V (2.5mm ²)	600/1000V (6 - 35mm ²)
CONDUCTOR	Annealed Copper	
INSULATION	2 core – Light Blue, Brown 3 core – Red, White, Blue 4 core – Red, White, Blue, Black	
BRAID SCREEN	Flexible copper braid	
MAX TEMP	75°C	
SHEATH	Nitrile PVC, Type 5V - 90	
LENGTHS	10m, 20m, 30m & custom lengths available	

Customisation

Jackson Industries has been in Onehunga, Auckland, since 1977. As we have grown we have expanded into new technologies including Advanced Engineering, Composites, Polymers and Formwork. With all this technology available there are almost no limits to the level of customisation.

If you can't find a suitable LIFEGUARD® from our standard range, customise a LIFEGUARD® to suit your needs, simply call 0800 LIFEGUARD and speak to our experienced sales staff.



Custom LG17



Custom LG83

**For standard LG17 specifications see page 6*

LG17 SPECIFICATIONS

Custom 63A Board

3x 63A 3 pin single phase

6x 32A 3 pin single phase

10x 10A flat pin single phase

Phase monitoring loops

Designed & built for the TV and Film Industry

Black legs and lid

**For standard LG83 specifications see page 7*

LG83 SPECIFICATIONS

Custom 1000A Main Distribution Board

1000A main isolator

6x 125A 5 pin socket outlets

2x 63A 5 pin socket outlets

2x hardwire 250A takeoffs

Built in current and voltage monitoring

Custom black colour

Window Module

REPLACEMENT WINDOW

- Fast and easy installation
- Kitset assembly
- Ideal for New Zealand conditions
- Easily fitted to both metal and plastic surfaces

SPECIFICATIONS

IP RATING	67
CONFIGURATION	DIN
MATERIAL	Polycarbonate
PART NUMBERS	WIN123G (Small) WIN164G (Large) WINBKT (bracket x2)

- Required where equipment needs to be both accessible and watertight
- Available in two sizes
- Available with DIN pole cutouts to suit



LIFEGUARD® Connection Table

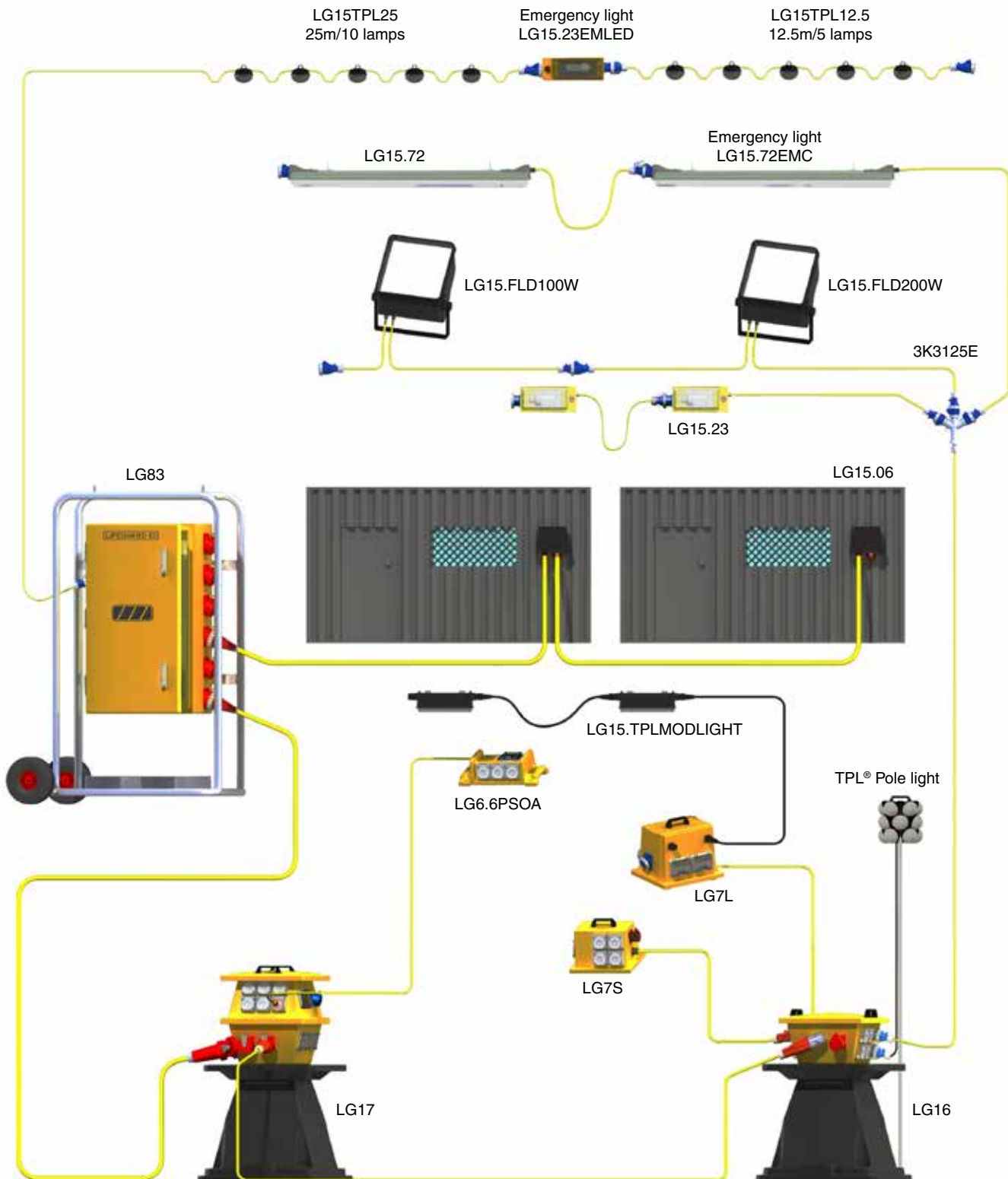
Use this table to see how the LIFEGUARD® range can be connected to create a full site power supply.

		MAIN UNIT												TYPE OF POWER SUPPLY	
		LG6	LG7	LG16	LG17	LG83	LG20B	LG26B	LG33	LG34	LG9	LG15	LG37	Portable	Hardwired
SECONDARY UNIT	LG6		✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	
	LG7		✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	
	LG16		✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	
	LG17				✓	✓		✓	✓	✓	✓			✓	
	LG83					✓									✓
	LG20B														✓
	LG26B														✓
	LG33														✓
	LG34														✓
	LG9		✓*	✓*	✓*	✓*	✓*	✓*	✓*	✓*	✓*			✓*	✓*
	LG15				✓	✓	✓	✓	✓	✓		✓			✓
	LG37												✓		✓
	Lighting	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	

Example: The table shows that the LG16 (MAIN UNIT) can supply power to the LG6, LG7, LG16, LG9* and the Lighting systems (SECONDARY UNIT). Single phase and three phase cables can be connected to all units dependant on unit configuration ie plug and connector type.

*The LG9 can only connect depending on configuration.

System Diagram



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