

LOAD TRANSFER SWITCHES

For air-cooled gas generators Powerknight



Pramac LTS load transfer switches are ideal for residential, commercial, light industrial applications, and provide an efficient and cost-effective solution, for both new constructions and service upgrades.

These LTS are specifically designed to operate with the air-cooled gas fueled gensets equipped with the Evolution™ control.

The LTS switches the power source from your utility power to the standby generator, so that the generator can provide temporary electrical power when the utility source fails.

The LTS consists of a standalone cabinet, which may be installed separately from the generating set, either indoor or outdoor.

High performing and reliable contactors are pre-installed within a durable, water, dust and shock protected cabinet, ready to be easily and quickly connected to the mains, the generator and the loads.

LTS range:

Code	Nominal Current	Voltage	Frequency
PY000A000AT	45 A	230V Single Phase	50Hz
PY000A000AU	70 A	230V Single Phase	50Hz
PY000A000B7	45 A	400V Three Phase	50Hz

Main features

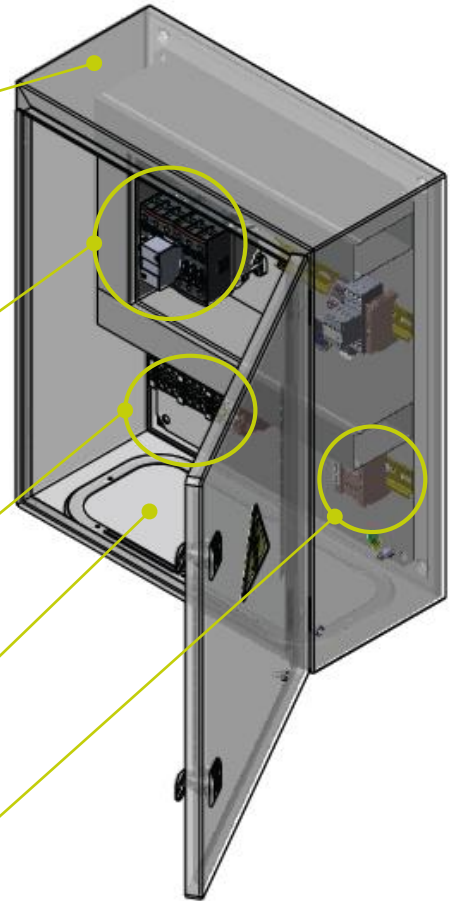
Compact steel-made enclosure, suitable for outdoor installation, front door and double bar locking. Wall mounted, **IP66** rated ("dust tight" and protected against heavy seas or powerful jets of water), **IK10** grade protection against impacts (20 joules), epoxy-polyester powder coated.

High performing and durable, mechanically interlocked, contactors. Capable of managing large voltage variations, offering reduced panel energy consumptions and ensuring reliable operations in unstable networks. Built-in surge protection.

Power terminal block. Screw connection to feed-through terminals for Genset / Mains / Load power cables.

Enclosure gland plate, provides a removable cable egress and entry.

Control terminal block with push-in connectors, and feed-through terminals for the Genset control cables.



Overall dimensions

Code	Current (A)	Voltage (V/Phases)	Frequency (Hz)	H x W x D (mm)	Weight (kg)	Compliance
PY000A000AT	45	230 / 1	50	500 x 400 x 200	10.7	CE
PY000A000AU	70	230 / 1	50		12	CE
PY000A000B7	45	400 / 3	50		13.5	CE
PY000A000AY	70	230 / 1	50			Australia
PY000A000B8	45	400 / 3	50			Australia

Functions

All timing and control functions originate in the generator Evolution™ controller.

Utility voltage Drop-out	< 65% Single Phase +/- 10% Three Phase
Timer to Generator start	10 Seconds factory set. Adjustable between 2-1.500 seconds
Engine Warm-up delay	5 Seconds
Standby Voltage sensor	65% for 5 seconds
Utility Voltage Pickup	> 80%
Re-Transfer Time delay	15 Seconds
Engine Cooldown Timer	60 Seconds
Exerciser	Evolution™ 5 Minutes, adjustable as Weekly, Bi-Weekly, Monthly

Dimensions

