



GROUND POWER UNIT LUZES II/M SERIES VI

- designed to power on-board aircraft systems with a.c. and d.c. power
- built on a chassis adapted for manual rolling and towing with maximum speed up to 15 km/h
- designed for powering onboard aircraft systems, engine startup and onboard equipment technical condition checks with access to 3x400V/50Hz power source
- with a nominal load of 125 anywhere in the airport or landing site
- adapted for air, land and water transport



TECHNICAL PARAMETERS

POWER SOURCE PARAMETERS

LUZES II/M series VI is powered from two sources 230 V/400V a.c. 50Hz with rated current 125A (each), 5-wire TN-S power supply. The unit can also be powered from one source with a nominal power limitation of 50 %.

OUTPUT A.C. PARAMETERS

3-phase rated voltage	3 x 115/200V, 400Hz, 4 wire, 2 sides
voltage regulation range	112V ÷ 118V
continuous power	90 kVA, 1 side for cos φ 0,8-1 at 40°C
rated phase current	260A on 1 wire, 1 side
maximum current in phase	4 x In on 1 wire for 1 sec
1-phase rated voltage	1x115V, 400Hz, 2 wire, 2 sides
rated current	52A on 1 wire, 2 sides
3-phase rated voltage	3 x 36V, 400Hz, 3 wire, 1 side
rated current	25A

OUTPUT D.C. PARAMETERS

rated voltage	28V, 2 sides
voltage regulation	26V ÷ 29V
rated current	800A, 2 sides
max. current	1800A (for 30 sec), 2500A (for 4 sec)

OVERALL PARAMETERS

length	3450 +/-10 mm
width	1540 +/-10 mm
height	1790 +/-10 mm

TACTICAL AND TECHNICAL FEATURES

The unit is able to simultaneously provide two types of energy 28V d.c. and 115V a.c. during aircraft technical inspection

- 28V d.c. (operates two aircraft simultaneously)
- 3-phase a.c.; voltage 115/200V 400Hz (operates two aircraft simultaneously)
- 1-phase a.c.; voltage 115V 400Hz (operates two aircraft simultaneously)
- 3-phase a.c.; voltage 3x36V 400Hz (operates one aircraft)

during aircraft engine startup

- 28V d.c. (operates two aircraft – one after the other)
- 3-phase a.c.; voltage 115/200V 400Hz (operates two aircraft – one after the other)

STANDARDS

ISO 6858:2017 AIRCRAFT GROUND SUPPORT ELECTRICAL SUPPLIES