

# Aircraft GPU SPZ-2

**AC/DC Ground Power Unit – SPZ-2 is a system designated for:**

- Aircraft and helicopters engine starting
- Board systems verification and diagnostic by direct and alternate current
- It is tactical, multi-purpose device for double-sided using (two aircraft at the same time) in civilian and military version

**History:**

- GPU SPZ-2 is a unit of the second generation, developed by our engineers. Earlier types of SPZ, namely SPZ 1 and modernized SPZ 1 M have been made with lower performance than SPZ-2 is
- High parameters and better mobility of SPZ-2 guarantee full service for all basic types of NATO aircraft at regular airports, field airdromes and heliports under all weather conditions

**Other parameters:**

- SPZ-2 is embedded in a container with dimensions of 2,300 x 1,800 x 1,300 mm, weight 2,700 kg
- Mobility - possibility to move by using small pickup truck, on universal trailer and by air transport
- Climate conditions - the temperature from -35 °C to +50 °C, humidity up to 95 %
- Reliability - minimum of 2,000 hours
- 2 connecting cables of 16 m length
- Self diagnostic
- Remote control

**Gallery:**

SPZ-2 Container, SPZ-2 on UPP, SPZ-2 on a vehicle



**Technical data:**

Motor generator	400 Hz
	100 KVA
	3 x 208 V
Output AC	115 V/400 Hz
	80 KVA
	28 V
	2 x 28 V
Output DC	28/65 V
	2,000 A short period of time
	1,000 A permanently



**MSM GROUP Ltd.** was established by transformation of MSM Martin Ltd., which dealt with construction, development, production and sales mainly with military material. MSM Martin Ltd. in the last few years took over several military companies located in the middle of Slovakia, and built on its traditional manufacturing activities in military and civil production.

Due to **ZVS** inclusion into the group structure we can state that the origin of **MSM GROUP Ltd.** comes **back to 1927** when then Škoda Works in Plzeň, as a monopoly producer of ammunition decided to build so called „spare factory“ in Slovakia. The company was totally destroyed during the World War II, and it took several years while the production was restored to such extend, that its products were supplied not only for the Ministry of National Defence, but for many countries worldwide as well.

Today the **MSM GROUP Ltd.** makes use of rich experiences from the past and know-how of highly qualified workers and vast archive of technical documentation for all necessary procedures.

In 2009 the biggest Czech military holding **CSG (CZECHOSLOVAK GROUP)** entered MSM as a co-owner.

## WHY TO COOPERATE WITH US:

More than 70 years experiences in the ammunition development, production and complete services in this field.

Long tradition in the MSM locations for the ammunition production processes with significant effects as the deep skilled personal, support industries, development fields, education etc.

More information at

[www.msm.sk](http://www.msm.sk)

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