

GROUND POWER UNIT

GPU-xxx-yy-zz

GPU- is intended to provide AC 115/200 V 400 Hz and/or 28.5 V DC electrical ground power for aircraft flight line and maintenance ground support operations. Designed to generate and deliver AC 115/200 V 400 Hz and/or DC 28.5 Volts DC power to an aircraft when its on-board generators are shut down.

In addition to providing continuous, regulated power to the aircraft, the unit is also designed for starting any fixed-wing aircraft or helicopter which is equipped with an external 28.5 Volts DC power receptacle. The observance of procedures, limitations and performance criteria is essential to ensure peak operating efficiency and to maximize operational capabilities and life of the **GPU Ground Power Unit**.



- ✓ NATO Standard MIL-STD-704E
- ✓ EN2282 ,related CE compliant
- ✓ STANAG 3303
- ✓ ISO9001:2008



SUPERIOR FEATURES

- ✓ Brush-less, self exciting, self ventilating alternator
- ✓ Low maintenance
- ✓ FRP (Fiber reinforced polyester) + galvanized steel casing
- ✓ Easy stowage of cables by side bins
- ✓ Alternator equipped with fully closed, self lubricating single bearing is coupled to the diesel engine directly.
- ✓ Fully auto protected against faults.

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TECHNICAL SPECIFICATIONS

SPECIFICATIONS		
GENERAL	Length	2.740 m.
	Width	1.560 m.
	Height	1.570 m.
	Weight	<1850 kg.
ALTERNATOR	type	brush-less
	Output Power Rating (kW)	60,90,100,125,kVA
	Voltage	115/200 Volts or 28,5 V DC
	Rated Frequency / Rpm	400 Hz / 2000 RPM
	Current output	2000 A intermittent 600 A continuous
	Excitation	Self
	Voltage Regulation	+1% and 2% off load to full load
ENGINE	Number Of Cylinder	6 (4 strokes)
	Aspiration	Turbocharged
	Engine Speed	1800-2000 RPM
	Fuel Tank Capacity Liters	150 or 225
	Fuel Consumption L/Hr	13 - 25 liter/H (on full load)
Indicators	Oil ,Engine Temperature, charging ammeter.,Hour meter, Voltage selector AC Voltmeter , DC voltmeter , power out ammeter ,tachometer ,Fuel level , Fault Siren	
Battery	12VDC	
Trailer	4 wheel, front wheels steered by drawbar	
Operating temperature	-25°C to +55°C	

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PROTECTION		<ul style="list-style-type: none"> ● Emergency stop button ● Full electronic control and Overload trips according to Mil-std-704E ● Over speed, high temp , high coolant temp , air intake block detection (opt.) ● Low Oil pressure shutdown ● air restriction indication
		<ul style="list-style-type: none"> ● Rectifier overheat ● E&F pins interlocking
SAFETY		Emergency stop button
		Battery isolation (optional) switch
MISC.		illumination light with switch.
		10-15 meter cabled output



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ORDER CODING :

Ground Power Unit

GPU - xxx - yy - zz

Total output Power

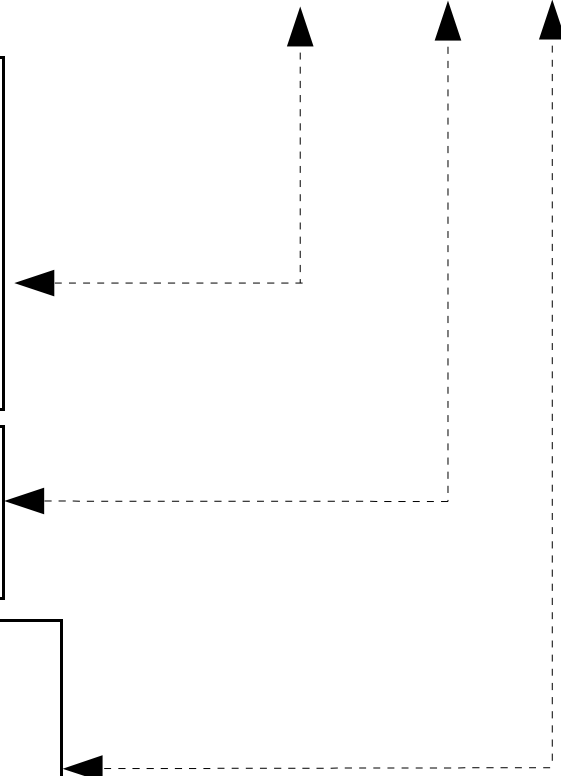
(60) 60 kVA
(90) 90 kVA
(100) 100 kVA
(120) 120 kVA
(125) 125 kvA

Engine

(P) Perkins engine
(C) Cummins engine

Outputs

(1) 115/200 VAC
(2) 28,5 VDC
(3) 115/200 VAC+28,5 VDC



Example: **GPU- 60 -C - 2** 60 kVA cummins engine 28,5 VDC output
GPU- 125-C - 3 125 kVA cummins engine 115/200 VAC and 28,5 VDC output

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S E R T İ F İ K A

Certificate Number
51513

This is to certify that the Quality Management System of:

**Teksav Teknoloji Elektrik Elektronik Makina
Sanayi ve Ticaret A.Ş.**

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Manufacturing of Lightning system and equipments for airports, aircraft arresting barrier systems and spare parts, net barrier, ground support equipment, mine detector and mine cleaning accessories, firing device (land-sea), fire control and target systems, training simulators, RF jammer, identification of radiofrequency (RFID), IFF-friendly enemy identification systems, land platform laser/IR detection and counterplea system, multiple-purpose robot, blaze suppression systems, CCTV and environment safety systems, electronic tank level measurement and alarm system, electronic bathometer system, ATE (automatic test equipments) and TPS (test program sets)

Initial assessment Date : 23.08.2010
Registration Date : 06.09.2010
Reissue Date : -
Expiry Date : 05.09.2011

General Manager 
UDEM Uluslararası Belgelendirme
Denetim Eğitim Merkezi
San. ve Tic. Ltd. Şti.

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DOCUMENT NUMBER: 2009/12

TURKISH MINISTRY OF NATIONAL DEFENCE

FACILITY SECURITY CLEARANCE CERTIFICATE

This is to certify that the National Security Authority for Defence Industry granted

TEKSAV TEKNOLOJİ ELEKTRİK ELEKTRONİK MAKİNE SANAYİ VE TİCARET ANONİM ŞİRKETİ


Located at 10016 Sokak No:20 A.O.S.B. Çiğli/İZMİR "NATIONAL SECRET" Security Clearance according to Law No: 5202 on Defence Industrial Security, rules and regulations of the security activities for Defence Industry.

The National Security Authority for Defence Industry confirms that the facility referred in paragraph above, possesses the capabilities for safeguarding of classified information, documentation, projects, materials and equipment at

"NATIONAL SECRET" level. This certificate is

valid until 12 / 05 / 2014

ON BEHALF OF MND.


Kadir AKÇIZMECI
Brigadier General
Deputy Under Secretary
Acting.