

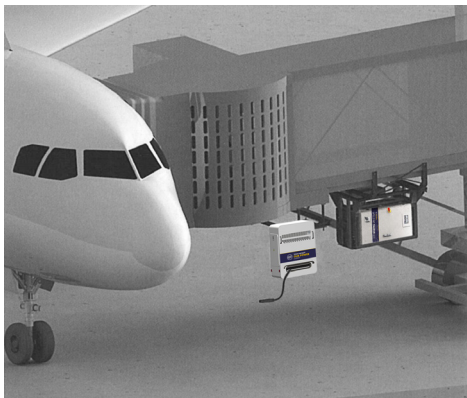
## GROUND POWER UNITS

# Ground Power Unit GPU 2/90 TAURUS eco

GPU 2/90 TAURUS eco is designed for a.c. powering of all types of aircraft.  
Mounting options for free standing, boarding bridges and rafter mount in hangars.

### Equipment options

- auto diagnostics
- automatic cable retriever
- remote control system (tablet as control panel)
- remote monitoring by Ethernet, CAN or Modbus



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## TECHNICAL DATA

### Input

Nominal input voltage	3x400V/PE-50Hz
Maximum input voltage variations	+ 15% to -15%
Power factor	> 0.99 @ 50% - 100% load
Current distortion	<7% @ 100% load
Efficiency	> 90% @ 100% load
Idle losses	< 2kW

### Output

Nominal output voltage	3x200V/400Hz + N
Nominal output power	90kVA
Voltage regulation	112-118V
Maximum output (phase) voltage on supply terminals	131V
Voltage stability on device terminals	<1% @ symmetrical load and 30% @ asymmetrical load
Voltage dynamics at device output	$\Delta U < 8\%$ in $< 5$ ms @ 100% load changes
Output voltage phase symmetry	120°+1° @ symmetrical load 120°+2° @ asymmetrical load
Output voltage higher harmonics	= <3% (typical <2%)
600-second overload	125%
60-second overload	150%
30-second overload	200%
10-second overload	300%
1-second overload	400%

Outgoing cables length	20m
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### Standards

Safty	EN 62040-1-1
Emissions	EN 61000-6-4
Immunity	EN 61000-6-2
Aircraft ground support electric supplies	ISO 6858

### Communication and control

Communication protocols	TCP/IP, MODBUS , SAE-J1939
Communication connector	Ethernet, CAN
On/Off	Ethernet, CAN, Digital input
Voltage controlling	Ethernet, CAN, Analog
Alarm monitoring	Ethernet, CAN, Digital outputs

### Housing

Protection Level	IP55
Dimensions (L x W x H)	600x600x1200 mm
Cooling	Forced: 1 fan
Weight	308 kg
Cable input	From the bottom

### Environment

Operating temperature	from -30°C to +55°C
Storage temperature	from -10°C to +50°C
Humidity	< 98 % @ 35°C
Altitude	1000 m