

PRODUCT CATALOGUE

Military power systems, vehicle electronics and tactical systems

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Power Distribution Units (PDU)

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Frequency Converters, Motor Drives & Military UPS Systems

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Power Management & Protection

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Vetronics (Vehicle Electronics)

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Tactical Systems



TEDEG DEFENCE

Türkiye's military power electronics and vetronics manufacturer: PDUs, frequency converters, AC-DC/DC-DC converters, APUs and tactical systems to MIL-STD.

COMPANY FACTS

FOUNDED	HEADQUARTERS
2023	Yenimahalle, Ankara, Türkiye
TEAM	NCAGE
45 employees, 20 R&D engineers	TM885
QUALITY	CLUSTER MEMBERSHIPS
ISO 9001 quality management system	OSSA · SAHA Istanbul
REGISTRATION AND SUPPORT	
EYDEP · TÜBİTAK TEYDEB 1507	

ENGINEERING SERVICES

01 Electronic Hardware Design	02 Embedded Software Development
03 Mechanical Design	04 Structural Analysis & Simulation
05 System Integration	06 Test & Validation
07 R&D & Custom Project Development	08 Manufacturing & Prototyping

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01

POWER DISTRIBUTION UNITS (PDU)

TEDEG Defence is an Ankara-based Turkish defence manufacturer that designs and builds rack-mount and vehicle power distribution units (PDUs) and power distribution panels for military platforms.

AC and DC power distribution units for military vehicles, shelters and command-and-control systems. Per-channel protection, multiple source inputs and remote monitoring.



PRODUCTS IN THIS FAMILY

- PDU-RT5002 Military Power Distribution Unit **04**
- PowerGuard PDU-R2D4 Military Rack PDU **04**
- TDG-EDP-D0X Military Vehicle DC Power Distribution Unit **05**
- PowerGuard AC Power Distribution Panel **05**
- PowerGuard MAR-2 Military Power Distribution Panel **06**

tedegcompany.com/products/military-power-distribution-units



PDU-RT5002 MILITARY POWER DISTRIBUTION UNIT

Rack-Mount Rugged PDU

4U 19-inch military PDU: automatic changeover between three 220 VAC sources, 10 × 25 A outputs, remote monitoring over Ethernet. MIL-STD-461F/810G.

KEY VALUES

Input	3 × 220 VAC / 50 Hz
Output	10 × 25 A AC/DC
Form factor	4U × 19 inch
Cooling	Fan active
Input count & source	3 × 220 VAC 50 Hz
Input types	UPS · Utility · Generator
Input priority	1. Utility → 2. Generator



MIL-STD-461F

MIL-STD-810G

Product page, datasheet and 3D CAD

POWERGUARD PDU-R2D4 MILITARY RACK PDU

2U, Mains + UPS, 8 AC + 2 DC Outputs

2U 19-inch military PDU: mains + UPS dual input, 8 AC + 2 DC outputs, remote control over Ethernet and RS-422, surge arrester, emergency stop. MIL-STD-810G.

KEY VALUES

Input	180–240 VAC, 50 Hz, single phase
Input sources	1 × mains + 1 × UPS (separate connectors)
Outputs	8 AC + 2 DC
Efficiency	≥ 85%
Communication	Ethernet 100 Mbps · RS-422
Protection	Over/undervoltage, overcurrent, short circuit, thermal, surge arrester
Construction	2U, 19-inch rack, aluminium chassis

MIL-STD-810G

Product page, datasheet and 3D CAD





TDG-EDP-DOX

TDG-EDP-DOX MILITARY VEHICLE DC POWER DISTRIBUTION UNIT

4 Inputs, 400 A Busbar

4-input military vehicle DC power distribution unit: 400 A busbar, MIDI-fused outputs, 12→28 VDC 500 W converter, emergency stop, MIL-STD-810G rain test.

KEY VALUES

Inputs	4 (Battery 1, Battery 2, Alternator, Battery charger)
Busbar	(+) and (-) 400 A
Output fuses	MIDI type, 30 / 60 / 100 A @28 VDC
DC-DC converter	12 VDC → 28 VDC, 500 W
Sealing	MIL-STD-810G, Method 506.5, Procedure I
Cable entries	IP67 PG cable glands

MIL-STD-810G

Product page, datasheet and 3D CAD

TDG-EDP-OXX

POWERGUARD AC POWER DISTRIBUTION PANEL

400 VAC Input, Individual Breaker per Output

Military AC power distribution panel: 400 VAC input, 400/230 VAC outputs, a breaker per output, 28 VDC/230 VAC remote on-off, -32/+50 °C, 3000 m altitude.

KEY VALUES

Input voltage	400 VAC
Output voltage	400 VAC / 230 VAC
Remote on/off signal	28 VDC / 230 VAC
Output protection	Individual breaker per output
Phase indicator lamps	3
Operating temperature	-32°C to +50°C



Product page, datasheet and 3D CAD



PWRGRD-GDPMARII

POWERGUARD MAR-2 MILITARY POWER DISTRIBUTION PANEL

Mains / Generator, 9 Fused Outputs

220 VAC outdoor distribution panel with mains/generator selection: 9 fused outputs, K1/K2 contactors, emergency stop, EMI-gasketed enclosure, 14 kg.

KEY VALUES

Input	220 VAC, 50 Hz
Source	Mains / generator — manual selector switch
Outputs	9 × 220 VAC, each fused
Protection	F1–F11 per-line fuses · separate N and PE
Switching	K1 / K2 contactor control
Safety	Guarded emergency stop button

Product page, datasheet and 3D CAD



ADAPTED TO YOUR PROGRAMME



Need a version with a different input or output voltage, connector, mechanical envelope or communication interface? Our R&D team adapts, tests and delivers our products to your platform requirements.

ENGINEERING SERVICES

02 FREQUENCY CONVERTERS, MOTOR DRIVES & MILITARY UPS SYSTEMS

TEDEG Defence is an Ankara-based Turkish defence manufacturer that designs and builds 60/400 Hz frequency converters, induction motor drives and military UPS systems for land and naval platforms.

Static frequency converters producing the 60 Hz and 400 Hz supply required by radar, missile and naval platforms, variable-frequency military motor drives and military UPS systems for uninterrupted AC supply.



PRODUCTS IN THIS FAMILY

- PowerGuard Outdoor 115 VAC 60/400 Hz Military Mobile Frequency Converter **08**
- PowerGuard 115/200 VAC 400 Hz Military Static Frequency Converter **08**
- PowerGuard 400/115 VAC AC-AC Military Inverter **09**
- PowerGuard TPS-115 115 VAC / 400 Hz Converter System **09**
- PowerGuard AC-AC Frequency Converter Transformer System **10**
- Mil-Drive-55 Military Induction Motor Drive **10**
- PowerGuard MIL-UPS-2K3 Mil-Spec Military UPS System **11**

tedegcompany.com/products/military-frequency-converters



◆ PWRGRD1154003899

POWERGUARD OUTDOOR 115 VAC 60/400 HZ MILITARY MOBILE FREQUENCY CONVERTER

Outdoor military frequency converter: 12 kVA, 7 isolated outputs (5 × 60 Hz + 2 × 400 Hz), smart PDU, Ethernet web interface, MIL-STD-810F, -32/+55 °C.

KEY VALUES

Input	3-phase, star (WYE) connection
Total power	12 kVA
Output	7 isolated outputs (5×60 Hz + 2×400 Hz)
THD	< 5%
Efficiency	≥ 85%
Temperature	-32°C to +55°C



■ MIL-STD-810F

■ MIL-STD-1399B

Product page, datasheet and 3D CAD



POWERGUARD 115/200 VAC 400 HZ MILITARY STATIC FREQUENCY CONVERTER

60-400 Hz Variable Output

3-phase 360-440 VAC input to a variable 115-220 VAC, 60-400 Hz output. Solid-state conversion, BIT, OLED, RS-422 and Ethernet. MIL-STD-1399B, 810G.

KEY VALUES

Input	3-phase, 360-440 VAC, 50-60 Hz
Output	Variable 115-220 VAC, 60-400 Hz
Connection	Star 115 VAC (L-N) · Delta 115 VAC (L-L), 400 Hz
Efficiency	At least 85%
THD	Below 5%
Frequency modulation	Max. 4 Hz
Voltage modulation	Max. 2.5 Vrms

■ MIL-STD-810G

■ MIL-STD-1399B

Product page, datasheet and 3D CAD





TDG-PFC-A0000

POWERGUARD 400/115 VAC AC-AC MILITARY INVERTER

10 kVA, 4 Outputs

3-phase 400 VAC in, 115 VAC 50 Hz out: 10 kVA across 4 outputs (3.6 · 2.4 · 2 · 2 kVA), isolated output transformer, Ethernet control, MIL-STD-810G.

KEY VALUES

Input	3-phase, 400 VAC, 50/60 Hz
Output	115 VAC, 50 Hz
Total power	10 kVA continuous at 0.8 PF
Outputs	3.6 + 2.4 kVA (3-phase) · 2 + 2 kVA (2-phase)
Overload	125% 5 min · 200% 5 s · 250% 1 s
Efficiency	At least 85%

MIL-STD-810G

MIL-STD-1399B

Product page,
datasheet and 3D CAD



TDG-PFC-A0001

POWERGUARD TPS-115 115 VAC / 400 HZ CONVERTER SYSTEM

3-Phase 400 Hz AC + 28 VDC

3-phase 115 VAC 400 Hz (600 VA) plus 3 × isolated 28 VDC (600 W) from a 230 VAC grid. AFE topology, RS-485 remote monitoring, BIT, passive cooling.

KEY VALUES

Input	200–240 VAC, 50 Hz
AC output	3-phase 115 VAC L–N, 400 Hz, 600 VA
DC outputs	3 × isolated 28 VDC, 600 W total
Topology	AFE (Active Front End)
Communication	RS-485 HD, 10 Mbps
BIT	Automatic self-test twice per second



Product page,
datasheet and 3D CAD





POWERGUARD AC-AC FREQUENCY CONVERTER TRANSFORMER SYSTEM

12 kVA, 60/400 Hz

12 kVA frequency converter transformer with 115 VAC 400 Hz and 60 Hz outputs: seven individually switched outputs, >90% efficiency, max 5% THD, CAN-Bus.

KEY VALUES

Capacity	12 kVA
Outputs	7 outputs, individually switched
400 Hz outputs	2 × 115 VAC, phase-to-phase (delta)
60 Hz outputs	3 × 115 VAC phase-to-phase (delta) + 2 × single-phase
Efficiency	> 90%
Power factor	Min. 0.85 (line-to-neutral)
Harmonic distortion	Max. 5%

Product page, datasheet and 3D CAD



MIL-DRIVE-55 MILITARY INDUCTION MOTOR DRIVE

FOC Vector Drive

FOC motor drive for military induction motors: sensed and sensorless control, 5.5 kW nominal, dual-channel STO. Designed to MIL-STD-461F/810G.

KEY VALUES

Motor type	3-phase asynchronous
Control	FOC (Field Oriented Control)
Protection	Sealed aluminium enclosure
Cooling	Passive (fanless)
Standards	MIL-STD-810G / MIL-STD-461F
Safety	Safe Torque Off (STO)
Comms	RS-485, CAN-Bus



- MIL-STD-461F
- MIL-STD-810G

Product page, datasheet and 3D CAD





PG-MILUPS-2K3-115-30M

POWERGUARD MIL-UPS-2K3 MIL-SPEC MILITARY UPS SYSTEM

2.3 kVA Online, 30 min Backup

Double-conversion online military UPS for naval and shore systems: 115 VAC 60 Hz pure sine, 2.3 kVA, 30 min gel battery, capacitive load support.

KEY VALUES

Topology	Double-conversion online · AFE input
Input	115 VAC ±20%, 45–65 Hz, 3-phase
Output	115 VAC ±2.5 VAC, 60 Hz, pure sine
Rating	2.3 kVA (750 W nominal · 2.3 kW max.)
Backup	30 min · VRLA gel battery
Load power factor	Capacitive loads down to 0.3

- MIL-STD-1399
- MIL-STD-810G
- MIL-STD-461F

Product page, datasheet and 3D CAD



ADAPTED TO YOUR PROGRAMME



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ENGINEERING SERVICES

03

AC-DC & DC-DC POWER CONVERTERS

TEDEG Defence is an Ankara-based Turkish defence manufacturer that designs and builds mil-spec AC-DC and DC-DC converters and 28 VDC power conversion units for military vehicles and systems.

Fanless, sealed power converters that turn grid, generator or vehicle battery power into the stable DC and AC voltages military loads require.



PRODUCTS IN THIS FAMILY

- PowerGuard TPS-24DCAC Military Power Conversion Unit **13**
- PowerGuard TPS-28 Power Management Unit **13**
- PowerGuard-A 380 VAC-28 VDC Military AC-DC Converter & Distribution System **14**
- PowerGuard-A1000 Mil-Spec AC-DC Power Supply **14**
- PowerGuard-D1000 Mil-Spec DC-DC Converter **15**
- Mil-Spec AC/DC Converter **15**

tedegcompany.com/products/military-power-converters



◆ TDG-059-A0000

POWERGUARD TPS-24DCAC MILITARY POWER CONVERSION UNIT

4× DC + 2× AC Pure Sine

12/24/28/36 VDC and 120/220 VAC pure sine outputs from a 16–28 VDC vehicle input, 3400 W total, BLACKOUT mode, 10 A breakers. Get the datasheet.

KEY VALUES

Input	16–28 VDC (24 VDC nominal)
DC outputs	12 · 24 · 28 · 36 VDC (10 A each)
AC outputs	120 VAC + 220 VAC pure sine, 1200 W
Total power	3400 W
Efficiency	DC-DC typ. 80% · DC-AC typ. 90%
Operating temp.	–20°C to +60°C

Product page,
datasheet and 3D CAD



◆ TDG-PFC-A0000

POWERGUARD TPS-28 POWER MANAGEMENT UNIT

230 VAC Input, Isolated 28 VDC Outputs

Isolated 28 VDC from 230 VAC: 3 modules, switched 50 A, 10 A and 2 A outputs, ≈1.7 kW, RS-485 HD monitoring, BIT, fanless, MIL-STD-810G and MIL-STD-461.

KEY VALUES

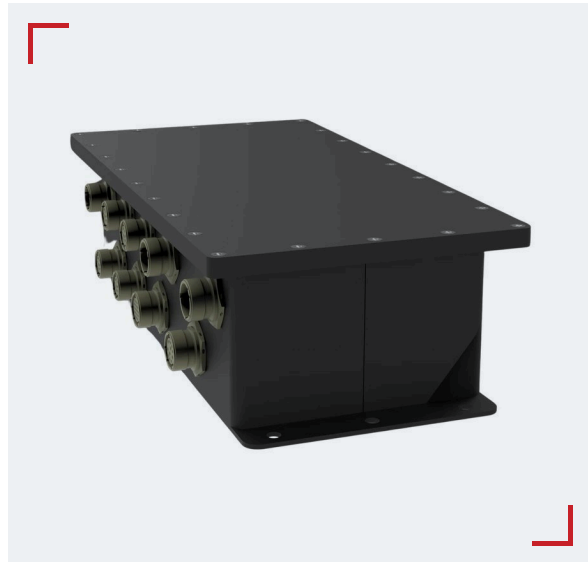
Input	230 VAC ±10%, 50 Hz (universal 90–264 VAC)
Output	Isolated 28 VDC, 3 independent converter modules
Switched outputs	M1: 4 × 10 A + 1 × 50 A · M2/M3: 4 × 2 A + 1 × 10 A
Total output power	≈1.7 kW
Ripple and noise	Max. 150 mVp-p
Communication	RS-485 HD, MCU-based control

■ MIL-STD-461

■ MIL-STD-810G

Product page,
datasheet and 3D CAD





◆ 3PAC-DC-1000-28

POWERGUARD-A 380 VAC-28 VDC MILITARY AC-DC CONVERTER & DISTRIBUTION SYSTEM

1-4 kW

28 VDC from a three-phase 360–440 VAC input: 1–4 kW power options, 92–95% efficiency, $PF \geq 0.95$, IP67 fanless aluminium enclosure, Ethernet/RS-485/CAN-Bus.

KEY VALUES

Input	360–440 VAC, 3-phase (L-L), 47–63 Hz
Nominal input	380 / 400 VAC
Output	28 VDC, $\pm 1\%$ typ. ($\pm 2\%$ max.)
Power options	1 / 2 / 3 / 4 kW
Efficiency	92–95% (model-dependent)
Power factor	≥ 0.95 (typ.)

■ MIL-STD-461

■ MIL-STD-810H

Product page, datasheet and 3D CAD



◆ ACDC-1000-220-24

POWERGUARD-A1000 MIL-SPEC AC-DC POWER SUPPLY

24 VDC / 1 kW, Fanless, 45–420 Hz Input

24 VDC / 1 kW continuous from single-phase AC: 45–420 Hz input, active PFC ($PF \geq 0.99$), 91% efficiency, no derating up to +55 °C, IP67 fanless enclosure.

KEY VALUES

Input	Single-phase universal AC, 220 VAC nominal
Input frequency	45–420 Hz (including 400 Hz)
Output	24 VDC (23.8–24.5 V), $\pm 1\%$ regulation
Power	1000 W continuous · 1200 W peak (up to 30 minutes)
Efficiency	91% (230 VAC input)
Power factor	≥ 0.99 @ 50/60 Hz · ≈ 0.75 –0.8 @ 400 Hz

■ MIL-STD-461

■ MIL-STD-810

Product page, datasheet and 3D CAD





POWERGUARD-D1000 MIL-SPEC DC-DC CONVERTER

Regulated 24 VDC / 1 kW from 12 VDC

Regulated 24 VDC / 1 kW continuous from a 12 VDC (10–18 VDC) input, $\eta \geq 90\%$. Fanless, sealed, conduction-cooled enclosure, MIL-DTL-38999, -32 to +55 °C.

KEY VALUES

Input	10–18 VDC (12 VDC nominal)
Output	24 VDC regulated (23.8–24.5 V)
Output current	41.7 A continuous (45 A max., current limit ~110%)
Power	1000 W continuous, no derating up to +55 °C
Efficiency	$\geq 90\%$ (12 V input, full load)
Regulation	$\pm 1\%$ typ., $\pm 2\%$ max. (line and load)
Isolation	1500 VDC input–output

MIL-STD-461

MIL-STD-810G

Product page, datasheet and 3D CAD

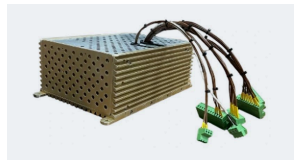
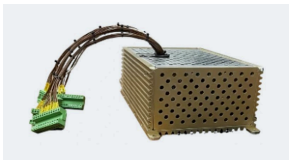
MIL-SPEC AC/DC CONVERTER

Defense-Grade Power Supply

Mil-spec AC/DC converter for military vehicles and systems: finned aluminium enclosure with a direct-connect cable harness.

KEY VALUES

Type	Mil-Spec AC-DC Converter
Isolation	Fully isolated output
Cooling	Conduction-cooled, fanless
Protection class	IP67
Connector	MIL-DTL-38999 Series III
Communication	Ethernet · CAN-Bus · RS-485 (optional)
Temperature	-20°C to +75°C



MIL-STD-461F

MIL-STD-810G

Product page, datasheet and 3D CAD

04 AUXILIARY POWER UNITS (APU)

TEDEG Defence is an Ankara-based Turkish defence manufacturer that designs and builds military auxiliary power units (APUs) supplying 28 VDC with the main engine off for tanks and armoured vehicles.

Military auxiliary power units that power mission electronics with the main engine off. Low acoustic and thermal signature for Silent Watch.



PRODUCTS IN THIS FAMILY

PowerGuard YGG-DS11 Military APU

17

tedegcompany.com/products/military-auxiliary-power-units



POWERGUARD YGG-DS11 MILITARY APU

28 VDC / 10 kW for Tanks and Armoured Vehicles

PowerGuard YGG-DS11 (TDG-10) military APU for tanks and armoured vehicles: 28 VDC / 10 kW, water-cooled Kubota D1105 diesel, IP67 control panel and remote.

KEY VALUES

Output	28 VDC, 10 kW
Power options	Customisable from 2 to 100 kW
Engine	Kubota D1105, water-cooled vertical diesel
Cooling	Integrated water-cooling system
System weight	375 ± 10 kg
Length × width	1000 × 591 mm
Max. operating temperature	+49 °C

- MIL-STD-461E
- MIL-STD-810G

Product page, datasheet and 3D CAD 

ADAPTED TO YOUR PROGRAMME



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ENGINEERING SERVICES

05

POWER MANAGEMENT & PROTECTION

TEDEG Defence is an Ankara-based Turkish defence manufacturer that designs and builds supercapacitor backup power, reverse polarity protection and voltage monitoring units for military vehicle electrical systems.

Military power management and protection units that manage the vehicle electrical system, protect the battery, provide backup power and monitor lines.



PRODUCTS IN THIS FAMILY

PowerGuard EBB Auxiliary Battery Unit	19
PowerGuard TPB-01 Reverse Polarity Unit	19
PowerGuard Voltage Measurement Unit	20

tedegcompany.com/products/military-power-management-protection



EBB

POWERGUARD EBB AUXILIARY BATTERY UNIT

3600 F Supercapacitor Power Backup

3600 F supercapacitor power backup for tactical wheeled vehicles: 16– 32 VDC, 3 hours of supply after ignition off, CAN-Bus reporting and built-in test.

KEY VALUES

Energy storage	3600 F supercapacitor
Operating voltage	16–32 VDC
Additional power	At least 10 minutes
Post-ignition supply	3 hours
Charge time	0% → 90% in 30 min (22 ± 5 °C)
Communication	CAN-Bus, 500 kbps and selectable rates



MIL-STD-810G

Product page, datasheet and 3D CAD

TPB-01

POWERGUARD TPB-01 REVERSE POLARITY UNIT

12/24 VDC, 500 A, Alternator Protection

Reverse polarity and alternator protection for vehicle battery systems: 12/24 VDC, up to 500 A, IP67, alternator shut-off 8 s after the excite signal drops.

KEY VALUES

Operating voltage	12 V / 24 V DC
Maximum current	Up to 500 A
Time control	Alternator shut-off 8 s after excite drops
Protection technology	Internal diode
Ingress protection	IP67
Operating temperature	–40°C to +120°C



Product page, datasheet and 3D CAD



◆ V-MSR-0XXYY

POWERGUARD VOLTAGE MEASUREMENT UNIT

21 Phases, Real-Time Monitoring over Ethernet

Voltage measurement unit for up to 21 phases: 0–300 VAC range, $\pm 1\%$ accuracy, 220 VAC supply and real-time data over Ethernet (RJ45). Operates $-32/+55\text{ }^{\circ}\text{C}$.

KEY VALUES

Phase inputs	Up to 21 (7 groups $\times$ 3 phases)
Measurement range	0–300 VAC
Measurement accuracy	$\pm 1\%$
Frequency range	50 / 60 Hz
Supply voltage	220 VAC $\pm 10\%$
Power consumption	< 10 W (typical)

Product page,
datasheet and 3D CAD 

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ENGINEERING SERVICES

06

VETRONICS (VEHICLE ELECTRONICS)

TEDEG Defence is an Ankara-based Turkish defence manufacturer that designs and builds vehicle electronics (vetronics) for military vehicles, including a camera power distribution module and a seat and seat belt monitoring system.

Vehicle electronics that power and connect cameras, displays, mission computers and crew systems on tactical wheeled and armoured vehicles.



PRODUCTS IN THIS FAMILY

- SENTRA KBM Military Camera Power Distribution Module 22
- SENTRA-16 Military Seat & Seat-Belt Monitoring System 22

tedegcompany.com/products/military-vetronics



TDG-064

SENTRA KBM MILITARY CAMERA POWER DISTRIBUTION MODULE

28 VDC, 11× Isolated Camera Outputs

Camera power distribution module for tactical vehicles: MIL-STD-1275E 28 VDC input, 11 isolated 12 VDC camera outputs, 200 W mission computer supply, IP55.

KEY VALUES

Input	28 VDC · MIL-STD-1275E
Camera outputs	Min. 11 × 12 VDC, isolated
Computer output	24 VDC ±0.2 V · min. 200 W
Display output	24 VDC ±0.2 V · isolated · min. 25 W
Seat module output	24 VDC ±0.2 V · isolated
Video lines	Single harness · min. 12 × 75 Ω

- MIL-STD-1275E
- MIL-STD-810G
- MIL-STD-461G
- MIL-STD-464C

Product page, datasheet and 3D CAD

TDG-SKK-1600

SENTRA-16 MILITARY SEAT & SEAT-BELT MONITORING SYSTEM

32 Channels, CAN-Bus

Crew monitoring unit for military land vehicles: 16 seats + 16 seat belts (32 channels), CAN-Bus ISO 11898, 18–32 VDC, IP65, MIL-DTL-38999 connector.

KEY VALUES

Channels	32 (16 seats + 16 belts)
Communication	CAN-Bus · ISO 11898 · 500 kbps
Supply	18–32 VDC (24 VDC nominal)
Power consumption	< 15 W
Sensor architecture	Chassis-referenced
Ingress protection	IP65



Product page, datasheet and 3D CAD

07

TACTICAL SYSTEMS

TEDEG Defence is an Ankara-based Turkish defence manufacturer that designs and builds 76 mm smoke grenade launcher systems, military searchlights, mobile lighting towers and programmable warning units for military land vehicles and weapon stations.

Vehicle-mounted smoke grenade launcher system plus T-Light military searchlight, mobile lighting tower and programmable warning units.



PRODUCTS IN THIS FAMILY

76 mm Smoke Grenade Launcher System TDG-76-SGL	24
T-Light TWR Military Searchlight	24
T-Light Mobile Lighting Tower	25
T-Light Programmable Warning Unit	25

tedegcompany.com/products/tactical-systems



◆ TDG-76-SGL

76 MM SMOKE GRENADE LAUNCHER SYSTEM TDG-76-SGL

4-16 Launchers, 90°-360° Coverage

76 mm smoke grenade launcher system TDG-76-SGL: 4-16 launchers, 90°-360° smoke coverage, 28 VDC, CANBUS (J1939), remote control, MIL-STD-461G/810G/1275E.

KEY VALUES

Calibre	76 mm
Weight	2.3 kg ± 0.5 kg
Power supply	28 VDC nominal (16-32 VDC)
Communication	CANBUS (J1939)
Protection angle	90° · 120° · 180° · 360°
Number of launchers	Minimum 4, maximum 16

- MIL-STD-1275E
- MIL-STD-461G
- MIL-STD-810G

Product page, datasheet and 3D CAD



◆ TL-TWR-20W-10-135 / TL-TWR-20W-15-135

T-LIGHT TWR MILITARY SEARCHLIGHT

LED Projector for Weapon Turret Integration

T-Light TWR LED military searchlight for weapon turrets: 20 LEDs, 4,590 lm, 16-33 VDC, 50 W typical, 135° vertical travel, IP69K projector, -32 to +60 °C.

KEY VALUES

Operating voltage	16-33 VDC
Power consumption	50 W typical / 60 W max.
LEDs	20 × 3 W high-power white LEDs (4 × 5 matrix)
Total luminous flux	4,590 lm (±10%)
Lens angle	10° or 15° (FWHM)
Movement	Unlimited 360° horizontal (turret) · 135° vertical



Product page, datasheet and 3D CAD





◆ TDK-LT2000-2LED

T-LIGHT MOBILE LIGHTING TOWER

112,000 Lumens, Roof-Mounted Telescopic Mast

Roof-mounted T-Light mobile lighting tower: 2 × 600 W LEDs, 112,000 lm, pneumatic telescopic mast, 360° pan / 330° tilt, 12/24 VDC or 220 VAC supply, IP67.

KEY VALUES

LED power	2 × 600 W (1200 W total)
Luminous flux	112,000 lm
Mast height	2 m max. (1.0–3.5 m options)
Pan / tilt	360° / 330° · 4 rpm
Power supply	DC 12 V / DC 24 V or AC 220 V
Control	RS-485 · Pelco-D/P · wired and wireless

Product page, datasheet and 3D CAD

T-LIGHT PROGRAMMABLE WARNING UNIT

RS-485 / CAN-Bus, 110 dB Audible and Visual Warning

Programmable audible and visual warning unit: 110 dB, multi-colour LEDs, RS-485 or CAN-Bus, blackout mode, 16–32 VDC, IP68, MIL-STD-810H vibration and shock.

KEY VALUES

Input voltage	16–32 VDC
Operating current	50 mA nominal · 400 mA warning (24 VDC)
Sound level	Max. 110 dB, 3 levels
LED colours	Red, yellow, green, blue, purple (optional)
Communication	RS-485 or CAN-Bus (specified at order)
Protection class	IP68 (1 m immersion for 60 min)
Vibration / shock	MIL-STD-810H 514.8 · 516.8

■ MIL-STD-810H

Product page, datasheet and 3D CAD





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All products and quote requests

Technical values in this catalogue are taken from the product datasheets. Visit the product pages for current datasheets, 3D CAD files and quotations. TEDEG Defence reserves the right to change product specifications without prior notice.