

POWER PRO

Compact, Rugged, Onboard Power Solution

APPLICATIONS

- Aerospace testing
- Automotive safety
- Biomechanics
- Durability testing
- Military crew protection
- Vehicle crash & sled testing

SUPPORTS: SLICE PRO, MICRO, NANO, IP68 & SLICE6, TDAS G5, TDAS PRO and TDAS PLUS Mini Distributor

PRODUCTS

Diversified Technical Systems designs and manufactures data acquisition systems and sensors for experienced test professionals.

WORLDWIDE SUPPORT

HELP CENTER (24/7/365 Access)
DTS Technical Centers
Global Sales Partners

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POWER PRO provides a seamless power solution in a rugged enclosure with an ultra-small footprint. Ideal for high channel count dynamic testing, including in-dummy DAS.

Features

- 1x Primary output for 15 V 14A
- 6x Secondary output 15V 14A (combined)
- 1x Regulated output 12V 1A
- 2x DTS Standard Communication (DTS Bus)
- Wide input voltage range 18-36 V
- Input/Output full protection including input undervoltage/overvoltage and output shortage
- Durable aluminum housing; 100 g shock-rated



A removeable heatsink comes standard with every POWER PRO.



POWER PRO & TDAS PLUS Mini Distributor, shown as part of a complete SLICE PRO solution.

DTS mounting plates are available in a variety of sizes.

Featuring standard connectors and 18-36 V input power, the POWER PRO provides direct and integrated backup power to support DTS systems for up to 1 hour or more, depending on the load. When used with a 10-36 VDC TDAS PLUS Mini Distributor, the power, communication, and control signals are distributed to SLICE & TDAS systems, including DTS in-dummy DAS. POWER PRO includes comprehensive protection for over-current, under-voltage, over-voltage, and excess temperature conditions.

Specifications

MECHANICAL / ENVIRONMENTAL	
Dimensions:	40 x 143 x 235 mm (1.6 x 5.6 x 9.25 in) DxHxW
Mass:	2.05 kg (4.52 lb)
Enclosure:	Aluminum
Mounting Bolts:	M8 x 1.25 in
Shock Rating:	100 g peak, 12 msec half sine
Temperature:	0-60°C (32-140°F)

BATTERY	
Type:	Lithium Ion
Capacity:	8 Ah
Protection:	Under/over-voltage/over-current

INPUT	
Connector:	4-pin Amphenol MS3474L14-4P
Voltage:	18-36 VDC
Total power:	450 W External

Primary OUTPUT	
Connector:	4-pin Amphenol MS3474L14-4S
Voltage w/ext. power:	15 VDC regulated
Voltage from battery:	10.8 VDC nominal; 9-12.6 VDC
Max. current:	14 A
Max. w/ext. power:	210 W
Max. w/battery power:	150 W

Secondary OUTPUTS	
Connector:	six, 4-pin LEMO ECG.2B.304.CLL
Voltage w/ext power:	15 VDC regulated
Voltage from battery:	Optional - 10.8 VDC nominal; 9-12.6 VDC
Max. current:	14 A combined
Max. power:	210 W total

Regulated OUTPUT	
Connector:	4-pin LEMO ECG.2B.304.CLL
Voltage:	12 VDC regulated
Maximum current:	1 A
Maximum power:	12 W



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Specifications subject to change without notice.
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