



11175 W. Emerald Street  
 Boise, ID 83713  
 United States of America  
 +1 208-378-9888  
 +1 208 378-9889  
 sales@aerospecialties.com  
[www.aerospecialties.com](http://www.aerospecialties.com)



**Quote Number:** AS1Q9265

**Date of Quote:** Apr 7, 2022

**Quote Valid Through:** Mar 8, 2022

**Sold To:**

**Ship To:**

**Your Sales Rep:**

**GALAXY AEROSPACE (M) SDN**


Mohd Sumaili Sulaiman  
 SUITE 11-14 HELICOPTER CENTRE  
 MALAYSIA INT'L AEROSPACE CTR  
 SULTAN ABDUL AZIZ SHAH AIRPORT  
 SUBANG, SELANGOR 47200  
 Malaysia

**Phil Horn**

GSE Sales Manager  
 Phone: +1 208-378-9888  
 Email: phil.horn@aerospecialties.com

Ship Via	FOB	Payment Terms	Reference
	EXW, Kempston, UK	Payment with order	

Thank you for your interest in AERO Specialties. Attached is the quote along with additional information requested. We appreciate the opportunity to earn your business. If you have any questions please let me know. Here is the quote you requested.

Part #	Description	Lead Time	Qty	List Price	-	Unit Price	Ext. Price
2017428-T	TWIN PV COOLSPPOOL 29 - 2017428 (2)		4	\$2,107.00	-	\$2,107.00	<b>\$8,428.00</b>
	 <p>AERO Specialties' Pow ervamp, Portable GPU, COOLSPPOOL-29                      The Coolspool range enables the pow ering of many aircraft systems that previously could only be activated w ith the generator on line. The pre-flighting and cycling of systems w here aircraft are configured for rapid deployment w ith role equipment already on line, are examples w here the higher Coolspool voltage can prevent the appearance of undesirable/spurious EFIS messages on start-up. The Coolspool 29 has a built-in mini charger. Connecting any 110/220 volt pow er cord into the GPU w ill automatically activate the integral 3-stage charger.</p> <p>Features                      Digital voltmeter                      Integral charger w ith 110v/240v input                      28vdc output for faster turbine starting                      Lightw eight for easy transportation                      Finished in pow der coat yellow                      Cleared for air transportation                      Modular design = fast component sw apout                      Shipping dims: 16" x 5" x 13" @ 63 lbs</p>						
2020939	CBL-IPUT 2M/6.5FT C13 EU F		4	\$11.00	-	\$11.00	<b>\$44.00</b>
	Input Lead - 2m (6.5ft) - Socket: IEC C13 - Plug: Euro (Type F - Schuko)						

Part #	Description	Lead Time	Qty	List Price	-	Unit Price	Ext. Price
2020867	OUTPUT LEAD, 2M, NATO, PV Output Lead - 2m (6.5ft) - 2C x 50sqmm - 28V Aircraft Connector + SB350		2	\$351.00	-	\$351.00	\$702.00
2007767	TROLLEY, DOUBLE, PV, FLAT TRAY AERO Specialties' Pow ervamp, Trolley, Double Includes Carton		2	\$450.00	-	\$450.00	\$900.00
2019377	YOKE, CONNECTING, W SB350 CONN Connecting Yoke, with SB350 connectors		2	\$93.00	-	\$93.00	\$186.00

**Totals**

**FOR UNITED STATES CUSTOMERS ONLY:**

Due to laws concerning sales tax collection in the USA's various states, AERO Specialties will now collect sales tax from all customers that are not tax-exempt. The state/county's sales tax will be charged at the time of invoicing. Please provide your exemption documentation or relevant information during order placement if you are a reseller or a tax-exempt customer.

<b>Subtotal</b>	\$10,260.00
-	\$0.00
<b>Tax</b>	\$0.00
<b>Shipping</b>	\$0.00
<b>Grand Total</b>	<b>\$10,260.00</b>

Lead times are quoted in business days and subject to change.

<b>Deposit Required</b>	<b>\$0.00</b>
-------------------------	---------------

**BEWARE OF CYBER FRAUD!**

Before wiring any funds, call the AERO Specialties representative at a number you know is valid to confirm the instructions and be wary of any request to change wire instructions you have already received.

**Quotation Notes and Acceptance**

To accept and purchase the equipment on this quotation, sign below and return:

Acceptance Date: \_\_\_\_\_

Print Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Please contact me if I can be of further assistance.

# Coolspool 29 Twin

**28V AIRCRAFT START UNIT**

Size and weight are important considerations for hand-portable aircraft start units. Situations exist where additional battery capacity and performance is required while retaining the essential benefits of mobility or 'hand-portability'.

The solution, pioneered by Powervamp more than 20 years ago and now adopted throughout the industry, is to connect two units in parallel to create the Coolspool 29 Twin.

The Coolspool 29 is available in two nominal output voltages, 26V DC or 28V DC. Upper Fadec limits vary according to the manufacturer's software and for this reason two versions of the Coolspool 29 are available.

When compared to a 24V DC start unit of the same capacity, the Coolspool 29 delivers a significantly higher performance, resulting in faster spool-ups and cooler starts impacting directly on turbine life.

The Coolspool 29 Twin can be split into separate modules for ease of transport and is designed to be carried on board for emergency power or turbine starting. This aircraft start unit is fitted with an automatic 3-stage internal charger for maximum cell longevity and is suitable for starting larger turbine aircraft and helicopters.

Each Coolspool 29 is fitted with solid state voltmeter with 'push to view' button to monitor battery voltage. A spring-loaded output cover ensures the aircraft start unit is cleared for air transportation. Supplied with Nato lead set, charge lead and heavy-duty canvas protective jacket.

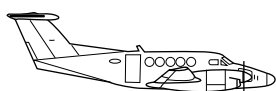


## Supplied as standard with

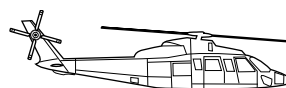
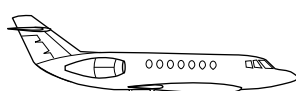


## Typical power plant:\*

TPE 331, PT6-67, Arrius, or power plants of a similar specification



Corporate jets



10-16-seat helicopters with shaft turbines

# Coolspool 29 Twin

## Specifications

Peak amps**	4800A
MDA**	1300A
Nominal voltage	26V or 28V DC depending on model
Standing voltage	27.8V DC or 30V DC depending on model
Amp/hour capacity	52 Ah @ 10 hr rate (20°C)
Operating temp	-40°C to +45°C (-40°F to +113°F)
Case	Aluminium with shock absorbing feet
Voltmeter	Solid state LED, IP65
Aircraft cable	6ft with heavy-duty rubber Nato connector
Parallel cable	Heavy-duty polarized connector
Charger	2 x 1.9A 3-stage internal charger/ 90-264V AC/47-63Hz/single phase
Dimensions	H 1100mm (43in), L 500mm (19in), W 560mm (22in) (including trolley)
Weight	70kg (154lb) including trolley
NCAGE	KD628

\*\* Peak amps is a theoretical calculation of the instantaneous current from a momentary dead short across the battery terminals. It is not representative of the power delivered at the aircraft plug due to cable losses and other factors. This figure is only shown for comparative purposes.  
 \*\* MDA: Maximum Deliverable Amps. This figure is the actual peak current available at the aircraft plug based on Powervamp's load bank tests. It is UNIQUE to this Powervamp product. Powervamp can substantiate this figure with documented test results. Test conditions - Temperature: 20°C/68°F. Lead Type: Powervamp 2 metre NATO. Minimum Voltage: 16 volts (at aircraft plug).

## Features

- High powered sealed lead acid batteries
- Internal chargers with LED status indicator
- Corrosion resistant aluminium case with carry handle
- Controls protected by twin front protection bars
- Aircraft cable with heavy-duty Nato connector
- Spring-loaded output connector cover
- Auxiliary socket for plug-in accessories
- Solid state voltmeter with 'push to view' feature
- Fitted with rubber anti-slip, shock absorbent feet
- Double trolley
- Heavy-duty canvas protective jackets

## Optional extras



13ft Nato lead

24V inspection lamp



Coolspool 29 Twin: starting Lynx Wildcat



## Other hand-portable GPUs and ramp carts in the Powervamp range



12/24 GA Pack

GPU 1700

GPU 2400

Coolspool 17

Coolspool 29

Coolspool 260

Coolspool 410



AERO Specialties, 11175 W. Emerald St., Boise, ID 83713, USA

Tel: +1 208 378 9888 Fax: +1 208 378 9889 sales@aerospecialties.com [www.aerospecialties.com](http://www.aerospecialties.com)

MANUFACTURED BY  
**POWERVAMP**  
 ADVANCED POWER SOLUTIONS



© Powervamp Ltd. Measurements, weights, technical performance and other specification data are typical and may vary. Powervamp reserves the right to alter or amend specifications without notice as part of its program of continuous improvement. Powervamp is a trademark of Powervamp Ltd.





## About AERO

AERO Specialties provides complete aircraft and airport ground support equipment (GSE) solutions to corporate, FBO, MRO, military, airline, and general aviation customers worldwide. AERO manufactures and distributes industrial-grade, high-quality new, used, and refurbished aircraft GSE.

AERO OEM aircraft Towbars & Heads, Oxygen & Nitrogen Service Systems, Lavatory & Potable Water Service Carts, Maintenance Stands, Hydraulic Power Units and JetGo Ground Power Units utilize technologically advanced parts, and materials designed to protect aircraft and customers' equipment investments. As an authorized distributor for TLD, and many others, AERO can meet most equipment requirements.

With over 30 years of experience and over 21,000 active customers, we are one of the premier suppliers of aircraft GSE to aviation markets across the globe. The diversity of our catalog and our expertise makes us the preferred GSE supplier to many organizations such as Signature Flight Support, ASIG, Jet Aviation, ExecuJet, Atlantic Aviation, Landmark Aviation, Air Canada, JetBlue, Southwest Airlines, Delta Airlines, Alaska/Horizon Airlines, Embraer, Bombardier, Gulfstream, Lockheed Martin Co, Raytheon, Leonardo, General Atomics, Boeing and Airbus Military, USAF, and the US NAVY (to name only a few).

AERO's dedication to customer service and industry experience is unmatched. AERO Specialties sales and support staff understand aircraft handling and maintenance and are ready to assist and advise on the proper equipment needed for your specific application. Combine this with our team of professionally certified mechanics and engineers, revered customer service, and an online parts store, and you have the best aircraft GSE supplier in the business. Regardless of your type of operation or global location, AERO Specialties will provide the perfect solution to your ground support equipment and aircraft servicing needs.

For more information please call +1 208-378-9888 or visit [www.aerospecialties.com](http://www.aerospecialties.com)

## STANDARD TERMS AND CONDITIONS OF SALE

### of AERO Specialties, Inc.

**ARTICLE 1 - SALES CONTRACTS-** AERO Specialties, Inc. (herein called the "Seller") sells all products and services only upon these standard terms and conditions, which, unless otherwise agreed by the Seller in writing, shall be a part of the contract therefore and shall supersede any inconsistent terms on customers purchase order, notwithstanding any contrary terms that may appear therein. An order placed with the Seller must be in the form of a written purchase order. The issuance of a purchase order, confirmation or acknowledgment by customer shall be deemed to evidence and authenticate the customer's acceptance of these standard terms and conditions.

All proposals, quotations, bids or other similar communications from the Seller will be considered invitations to customer to submit an offer to contract in the form of a written purchase order. A binding sales contract will result when the Seller accepts the customer's order by mailing a letter of acceptance, or an acknowledgment copy of an entered order, to the customer. All such sales contracts shall be governed by the laws of the State of Idaho, U.S.A., but not its conflicts of laws provisions. Upon receipt of customer's order, the Seller, at its sole discretion shall evaluate customer's then current performance of payment to the Seller, other suppliers and creditors, the Seller's acceptance of customer's order is subject to the Seller's satisfaction with such payment performance.

#### **ARTICLE 2- TERMS OF PAYMENT-**

Terms are net 30 days (upon written credit approval authorization by Seller) from EXW date unless otherwise provided in the Seller's proposal or invoice. When an account becomes past due according to its terms, interest will be charged at a rate of 1 ½% per month on all balances until paid in full. If an account is turned over for collection, the customer will be responsible for Seller's costs and expenses of collection, including reasonable attorneys' fees.

If delivery in installments is quoted by the Seller or required by customer's order, failure of customer to make any payment when due as provided for in the sales contract shall give the Seller the right to suspend work or delivery until such payment is made. In the event that any such default by customer continues for more than 15 days after the date due, the Seller may at any time thereafter cancel the sales contract by written notice faxed, mailed or telegraphed to customer and thereupon be entitled to recover the cancellation charges set forth in Article 8. In addition, the Seller shall have the right to repossess without process any previously delivered equipment, parts or products which have not been paid for in full. In the event the Seller suspends work on customer's order due to customer's failure to make payment at the time provided for in the sales contract, any claim by customer against the Seller for delay in completion of the work shall be waived and barred.

**Security Interest.** You grant to Seller and Seller will retain a purchase money security interest under the Uniform Commercial Code in all goods purchased from Seller until the goods are paid in full. If you fail to pay for the goods as agreed, Seller may repossess any goods in which it retains a security interest and Seller shall have all the rights and remedies of a secured creditor under the Uniform Commercial Code. You authorize Seller to file financing statements covering the goods.

**ARTICLE 3- PRICES-** Unless otherwise specifically and conspicuously stated in a written quotation, order acknowledgement, or other document signed by the Seller, the price of any equipment, parts or products shall be the price for such equipment, parts or product in effect at the time of shipment.

#### **ARTICLE 4- SHIPPING; DELIVERY-**

Shipping dates are subject to review at the time customer's order is accepted and will be determined at that time on the basis of the Seller's then current shipping commitments. Shipping dates are quoted in good faith, the Seller, however, will not be liable for loss or damage due to delay or failure to make delivery when such delay or failure is caused by fire, strike, civil or military authority, war, hostilities, governmental action, failure of suppliers to make delivery as scheduled, or any other cause beyond the Seller's reasonable control, including delay or interruption in manufacture, shipment or installation caused by customer.

Unless otherwise stated, all sales are EXW (Ex Works) (Incoterms 2010). Risk of loss or damage to products shall remain with Seller until delivery of the goods in accordance with the applicable Incoterm.

Any unit not shipped after 90 days from EXW (Ex Works- factory location) (Incoterms 2010) (Green Tag) date will generate a cost of 0.5% of the Selling price of the Unit that will be invoiced by the Seller to the customer

**ARTICLE 5 - WARRANTY-** Unless otherwise provided, the only warranty, which the Seller makes in connection with its equipment, parts and products, is the published AERO SPECIALTIES general warranty conditions. Receipt of information from the customer and delivery by the Seller of equipment, parts or products specified in customer's order does not imply a warranty by the Seller that the equipment, parts or products so delivered will be suitable for the purposes disclosed. IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXCLUDED.

**ARTICLE 6 - LIMITATION OF LIABILITY-** IN NO EVENT SHALL THE SELLER BE LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES, including loss of profits, in connection with its acceptance of customer's order or in connection with the manufacture, delivery or installation of the equipment, parts or products so ordered, whether customer's claim for such damages be based upon failure or delay of delivery, breach of guaranty or warranty or otherwise.

**ARTICLE 7 - RETURNS-** Any equipment, part or product, which is returned under warranty, may be so returned only with the prior written approval of the Seller's home office, which approval will not be unreasonably withheld. Equipment, parts or products for which return is authorized must be shipped prepaid to the Seller's warehouse or a AERO SPECIALTIES Factory as advised in the written approval. A re-stock fee of up to 15% may be applied to the return depending upon condition of product and circumstance of return.

**ARTICLE 8 - CANCELLATION CHARGES-**

In case of any contract cancellation by the customer:

A 20% penalty of the total contract amount will be levied if cancellation occurs during the 60 days prior to the original expected date of shipment.

A 50% penalty of the total contract amount will be levied if cancellation occurs after the original expected date of shipment

In the event customer causes delays, or otherwise materially hampers or interrupts the Seller's manufacture, shipment or installation or equipment, parts or products, the Seller may terminate the sales contract and customer shall pay the Seller the applicable cancellation charges set forth above.

**ARTICLE 9 - DESIGN PROTECTION-** No rights in designs, trade names, trademarks, and copyrights of merchandise delivered hereunder shall pass to customer and customer agrees not to reproduce or simulate or cause or knowingly allow to be used, reproduced or simulated, either directly or indirectly, such designs, trade names, trademarks and copyrights.

**ARTICLE 10 - SERVICES-** The provisions of these Standard Terms and Conditions relating to sales contracts, terms of payment price, and limitation of liability are applicable to any services sold by the Seller whether separately or in conjunction with an equipment order.