



ALLIANCE ELECTRONICS



Exclusive UK Distributor for PowerVamp
Products to the Commercial Vehicles Industry

POWERVAMP

ADVANCED POWER SOLUTIONS

April 18



**The Commercial Vehicle
PARTS SPECIALIST**
0114 247 7041



Prices are in pounds sterling, and are correct at the time of going to print, but may be subject to change without prior notice. E&OE.





ALLIANCE ELECTRONICS

POWervamp

ADVANCED POWER SOLUTIONS

TechnoBoost



FEATURES

- Built-in 3-stage 2.3 amp charger and side-mounted IEC mains input socket.
- LED indicator lights, instead of digital voltmeters, indicate when pack is on charge and battery charge status.
- 2-metre lead and rubber 3-pin Nato plug
- Separate 2-metre colour-coded lead with 500 amp cast brass and braided croc clips for connection to vehicle batteries.
- Auto-selecting 110/220v AC internal charger system

INCLUDED ACCESSORIES

Croc Lead Set

- 2m croc lead set using 25mm² cable and 500a braided croc. clips

Mains Charger

- 3-pin detachable UK mains lead

OPTIONAL ACCESSORIES

Cowbell/Bus plug lead

- 2m lead using 50mm² cable fitted with heavy-duty cowbell/bus plug.

Lead Light

- High-powered lead light with extra long cable and strong integral clamp. Light is suitable for all products and is available in 12v and 24v.

Onboard Charge Kit (4 pin plug)

- Onboard Charge Kit (OBCK) plugs into automotive 12vdc auxiliary power source to allow constant topping up of jump pack whilst engine running

Universal Trolley

- Heavy duty trolley with extendable front and side bars to accept majority of Powervamp Aviation and Automotive products



Tough 12v / 24v jump-starter designed for frequent starting of commercial vehicles. The 1224 HDD is intended for heavy or regular 24 volt starting and 12 volt van starting. This unit is for fleet users, operating diesels typically up to 15 litres.

SPECIFICATIONS TB1224HDD

Output voltage	12/24v
Cell Capacity	33/33 amp/hrs
Peak Amps (Max short circuit current)	2600 amps
Output Amps (recommended continuous)	925 amps
Re-charge time (standard charger) from 50%	5hrs
On-board charger	3-stage integral with cell capacity light
Total charger output	5.4 amp 3-stage @ 14.9 v
AC Input Requirements	110v/240v
Auto-voltage Selection	
Operating temperature range	-30C – +40C
Case/Chassis Construction	Powder coated mild steel
Height	290mm
Depth	130mm
Width	380mm
Weight	27kg



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Nato 200



FEATURES

- Voltage spike protection
- Reverse polarity audio warning
- Accessory socket
- Designed for field servicing
- 1000 amp cast brass and insulated clips with low temperature flexible 50mm sq, 2-metre lead
- Plated steel case with charger lead storage
- Autocell balancing
- Double safety feature
- Angled handle for maximum impact protection

INCLUDED ACCESSORIES

Croc Lead Set

- 2m croc lead set using 50mm² cable and 1000a braided croc. clips

Mains Charger

- 4 amp, 2-stage, float charger with status LEDs. Accepts 240v

Ultra heavy duty 12v /24v jump-pack for croc multi-starting of large commercial and plant a tough all-steel powder-coated case with separate 12v and 24v outlets and independent isolator switches ensures long trouble-free use and easy service.

SPECIFICATIONS

Output voltage	12/24v		
Cell Capacity	37/37amp/hrs		
Peak Amps (Max short circuit current)	2184 amps		
Output Amps (recommended continuous)	1140 amps		
Re-charge time (standard charger) from 50%	7 hrs		
On-board charger			
AC Input Requirements	110v/240v / 16A (auto Select)		
Operating temperature range	-30C – +40C		
Case/Chassis Construction	Powder coated mild steel		
Height	Depth	Width	Weight
435mm	110mm	450mm	33kg
	Petrol 12/24v: all Diesel 12v: 4 litres 24v: 18 litres		
Construction and Plant:	Petrol 12v: all Diesel 24v: 18 litres		
Marine:	Petrol 12v: all Diesel 24v: 14 litres		
Military:	Diesel 24v: all		

OPTIONAL ACCESSORIES

Cowbell/Bus plug lead

- 2m lead using 50mm² cable fitted with heavy-duty cowbell/bus plug.

Lead Light

- High-powered lead light with extra long cable and strong integral clamp. Light is suitable for all products and is available in 12v and 24v.

Onboard Charge Kit (power pole plug)

- Onboard Charge Kit (OBCK) plugs into automotive 12vdc auxiliary power source to allow constant topping up of jump pack whilst engine running.

Universal Trolley

- Heavy duty trolley with extendable front and side bars to accept majority of Powervamp Aviation and Automotive products



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ACS
REGISTRARS
QUALITY ASSURANCE
ISO 9001





ALLIANCE ELECTRONICS

PowerVamp

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TowerPack



TowerPack shown with optional Trolley

FEATURES

- 2m, 50mm sq output cables
- Parallel and series yokes
- 1000 amp, cast brass, braided croc clips
- Charger, 2-stage, input 110/220 volts 10 amp, output 12v
- Reverse polarity warning
- Capacity status LEDs
- 1000 amp safety isolator (key switch)

INCLUDED ACCESSORIES

Croc Lead Set

- 2m croc lead set using 25mm² cable and 500 amp braided croc. clips.

UK Mains Lead

- 3-pin detachable UK mains lead

The Tower Pack is designed primarily for heavy engine starting. It is ideal for bus, truck and heavy plant operators and for starting large agricultural machinery. The amp/hour capacity of the Tower Pack makes it ideal for maintenance operations such as fuel bleeding, oil pressure build up, taillift cycling or multiple cranking of broken down vehicles. The Tower Pack is available in dedicated 24v or 12v/24v versions.

SPECIFICATIONS

Volts (nominal)	12/24v		
Amp/hour capacity	52/26 amp/hrs		
Safety fuse (amps)	750 amps		
Peak amps	4800/2400 amps		
CCA (typical)	912/456		
Pulse current (amps), initial 5 secs	2220/1110 amps		
Height	Width	Depth	Weight
570mm	180mm	158mm	21kg

OPTIONAL ACCESSORIES

- Powder-coated trolley: holds pack and leads
- Paralleling yoke to connect second pack and double output
- Extension lead sets: 2-6 metres

Cowbell/Bus Plug Lead

- 2m lead using 50mm² cable fitted with heavy-duty cowbell/bus plug

Lead Light

- High-powered lead light with extra long cable and strong integral clamp. Light is suitable for all products and is available in 12v and 24v

Onboard Charge Kit (4 Pin plug)

- Onboard Charge Kit (OBDK) plugs into automotive 12v dc auxiliary power source to allow constant topping up of jump pack whilst engine running



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Powervamp

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Go-Cart



FEATURES

- Heavy-duty push/pull isolator and emergency disconnect push switch
- Power "on" LED
- 750 amp short circuit safety fuse
- 12 volt fused accessory socket for work lamp or compressor
- ECU anti-surge voltage spike protection PCB
- Reverse polarity audible alarm
- Stowage tray designed to accept mini compressor, key, tools etc.
- Quick detachable 2 metre long x 50mm sq. colour coded output leads
- Quick "swap-out" battery system .
- Balanced design allows effortless and safe manoeuvring in confined vehicle compounds
- Sealed, maintenance free, ultra high discharge batteries – cleared safe for transportation by land, sea or air

INCLUDED ACCESSORIES

Croc Lead Set

- 2m croc lead set using 50mm² cable and 1000 amp braided croc. clips.

Mains Charger

- 4amp, 2-stage, float charger with status LEDs. Accepts 240v

UK Mains Lead

- 3-pin detachable UK mains lead

OPTIONAL ACCESSORIES

Cowbell/Bus Plug Lead

- 2m lead using 50mm² cable fitted with heavy-duty cowbell/bus plug

Lead Light

- High-powered lead light with extra long cable and strong integral clamp. Light is suitable for all products and is available in 12v and 24v

Onboard Charge Kit (power pole plug)

- Onboard Charge Kit plugs into automotive 12v dc auxiliary power source to allow constant topping up of jump pack whilst engine running

Versatile heavy duty jump-starter. The problem of starting vehicles with flat batteries is a major cost to fleet operators in terms of wasted time and manpower. In recent years the electronic content has rapidly increased in all types of vehicle. The result is that, overall, battery loads have steadily increased, not diminished, as onboard computers, ECUs and security systems monitor every vehicle continuously. For auction sites, large storage compounds, bus and plant depots or any location where large numbers of vehicles are stored, there is a perpetual need to start the vehicle from a remote power source.

SPECIFICATIONS

	12v/24V		
Output volts	Nominal 24 volts		
Battery capacity	74/37 amp/hrs		
Peak amps	4368/2184 amps		
Charger	Separate 2-stage 10 amp 110/240 volt AC 50/60Hz single phase		
Operating range	-30C to +40C		
Re-charge from 50% discharge	3.7 hrs		
Trolley	Mild steel painted powder coat yellow. Fitted with 250mm dia wheels with pneumatic tyres		
Height	Width	Depth	Weight
1100mm	450mm	430mm	38kg



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ALLIANCE ELECTRONICS

Powervamp
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MR26



FEATURES

- Surge protection and reverse polarity warning
- Specially toughened shatterproof impact resistant polymer case
- Top mounted charging/accessory socket – can be charged from vehicle
- 2-metre detachable leads will reach all vehicle batteries
- Top quality braided and insulated crocodile clips
- Integral 2.7 amp 3-stage switch mode fully automatic charging system operates on 110v or 220v AC supply voltage
- Four LED battery status display
- LED integral mains charging status display
- Key switch isolator for safety and ease of use

High-powered 12v starter pack for frequent, everyday professional use. Suitable for starting all sizes of petrol engines including 4x4. All 12v Diesel, 1.8–3.5 litres, depending on vehicle type

SPECIFICATIONS

Cell Capacity	33 amp/hr		
Peak Amps (Max short circuit current)	2400 amps		
Output Amps (recommended continuous)	400 amps		
CCA - 18°C 30 secs to 7.5 volts:	370 amps		
On-board charger			
AC Input Requirements	110–240v / 16A (Auto Selecting)		
Auto-voltage Selection			
Height	Depth	Width	Weight
350mm	160mm	210mm	13.8kg
Cars all petrol	all diesel including 4x4s		
Vans/pickups all petrol	Diesel 1.8–3.5 depending on vehicle type		
Petrol engines	up to 7.0 litres+		
Diesel engines	1.8–3.5 litres		

INCLUDED ACCESSORIES

Croc Lead Set

- 2m croc lead set using 25mm² cable and 500 amp braided croc. clips.

UK Mains Lead

- 3-pin detachable UK mains lead

OPTIONAL ACCESSORIES

Lead Light

- High-powered lead light with extra long cable and strong integral clamp. Light is suitable for all products and is available in 12v and 24v

Onboard Charge Kit (merit plug)

- Onboard Charge Kit (OBCK) plugs into automotive 12vdc auxiliary power source to allow constant topping up of jump pack whilst engine running



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ALLIANCE ELECTRONICS

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TB1600



FEATURES

- Designed for smaller dealerships, bodyshops and workshops
- Specially toughened shatterproof impact resistant polymer case
- Side mounted charging/accessory socket – can be charged from vehicle
- Supplied with a 4 amp main charger for fast recharge
- Fitted with four LED battery status display
- 2-metre leads allow the pack to rest safely on the ground during single person starting operations
- Top quality braided and insulated crocodile clips
- Lightweight and portable, designed for occasional use, starting petrol engines or small diesels. Heavy cranking is not recommended as premature cell failure may occur (not covered by warranty).

Note: For heavy cranking, large fleets, or continuous daily use, the model MR26 will deliver the perfect combination of high power and extended battery life

Compact 12v battery pack suitable for the smaller dealership and workshop. Unlike most alternative products on the market that are built down to a price or use inferior batteries, this unit is the result of 16 years of extensive field experience by Powervamp field staff. British designed and built, the pack uses one of the same very powerful batteries as used in Powervamp's 24 volt small jet Turbine Aircraft and Helicopter packs. Output leads are 2 metres to allow the pack to sit on the ground – or in the passenger foot well while connected to the vehicle battery during an emergency vehicle move.

SPECIFICATIONS

Cars:	Petrol – all popular makes		
Diesel:	up to 2 litres		
Nominal power cell – peak amps:	1600 amps		
CCA -18°C 30 secs to 7.5 volts:	235 amps		
Height	Depth	Width	Weight
350mm	110mm	210mm	7.9kg

INCLUDED ACCESSORIES

UK Mains Lead

- 4amp, 2-stage, float charger with status LEDs. Accepts 240v

OPTIONAL ACCESSORIES

Lead Light

- High-powered lead light with extra long cable and strong integral clamp. Light is suitable for all products and is available in 12v and 24v

Onboard Charge Kit (merit plug)

- Onboard Charge Kit (OBCK) plugs into automotive 12vdc auxiliary power source to allow constant topping up of jump pack whilst engine running



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Powervamp
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Power Packs

Specifications



NATO200

H 435 x W 450 X D 110(mm)
Weight 33KG
Output Voltage 12/24v
Battery Capacity 2 x 37Ah
Peak Amps 2184A



**TECHNO-BOOST
TB1224HDD**

H 290 x W 380 X D 130(mm)
Weight 27KG
Output Voltage 12/24v
Battery Capacity 2 x 33Ah
Peak Amps 2600A



**TOWERPACK
TP1224**

H 570 x W 180 X D 158(mm)
Weight 21KG
Output Voltage 12/24v
Battery Capacity 2 x 26Ah
Peak Amps 2400A



GO-CART

H 1100 x W 450 X D 430(mm)
Weight 38KG
Output Voltage 24v
Battery Capacity 2 x 37Ah
Peak Amps 2184A



MR26

H 350 x W 210 X D 160(mm)
Weight 13.8KG
Output Voltage 12v
Battery Capacity 33Ah
Peak Amps 2400A



TB1600

H 350 x W 210 X D 110(mm)
Weight 7.9KG
Output Voltage 12v
Battery Capacity 2 x 17Ah
Peak Amps 1600A



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