

The Powervamp range of high-discharge fully-plated sealed racing batteries uses advanced pure lead technology.

Sometimes supplied under different branded trade names, these famous *Hawker* 12-volt batteries offer the best performance-to-weight ratio of any

battery and are recognised worldwide as the leading racing/rally dry cell battery.

Originally designed for aircraft engine starting, *Hawker Energys* cells are exclusively used in Powervamp's extensive range of aviation and military jet turbine packs.



FEATURES

- Maintenance-free sealed construction
- TPT (thin plate technology)
- Lightweight – unbeatable power/weight ratio
- Operates from -40c to + 50c
- Side, end or upright mounting
- Extra thin plates ensure 30%+ instant cranking performance compared with conventional 'wet' batteries
- Up to 8 year service life
- Vibration resistant
- 1 year warranty

APPLICATIONS

- Race cars
- Rally cars
- Kit cars
- Off road/4x4 vehicles
- Jetskis
- Motorbikes
- Aircraft turbine starting

SPECIFICATION

TYPE	VOLTS	CAPACITY a/h	DIMENSIONS (mm)			CURRENT amps	WEIGHT kg
			L	W	H		
PVR 8	12	7	138	86	101	310	2.7
PVR 15	12	14	200	77	140	540	5.7
PVR 18	12	14	170	99	155	535	5.4
PVR 20	12	14	178	86	132	545	5.7
PVR 22	12	18	170	99	155	625	6.0
PVR 25	12	18	185	79	170	680	7.0
PVR 30	12	26	250	97	156	840	9.0
PVR 35	12	29	169	179	128	925	11.8
PVR 40	12	37	250	97	206	1140	12.5
PVR 60	12	51	220	121	260	1390	18.5

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PVR8



SPECIFICATION

12 volt 8 amp/hour at C20 rate
455 peak amps
310 amps cranking current for 5 seconds
100 amps CCA
30 seconds to 7.2v @ -18C
Reserve capacity 9 minutes @ 25 amps to 10.5v
Terminals M4 female
Operating temp range -40°C to +45°C

Amp	8Ah
Dimensions (hwxwd)	138mm x 86mm x 101mm
CCA	310A
Peak	455A
Weight	2.7kg

Pure lead maintenance-free drycell battery featuring TPT (thin plate technology) which was originally developed for military aircraft requiring very high power delivery for short durations.

Exceptionally good anti-vibration properties with fast recharge capability and recovery from heavy discharge. Can be mounted upright or flat. Design life of 8–10 years. Weighing in at only 2.7kg this battery is ideally suited for hillclimb and rallycross up to 1.5 litre usually combined with a grid start pack. Care needs to be taken if running a total loss system as this battery is only 8amp/hour.

- Maintenance-free, sealed
- Voltage 12 volts
- 455 peak amps
- 310 amps pulse current
- 8 amp/hour capacity
- Lightweight – 2.7kg
- Motorcycle, motorsport, kart

PVR15



SPECIFICATION

12 volt 14 amp/hour at C10 rate
891 peak amps
550 amps cranking current for 5 seconds
Terminals M6 male
Operating temp range -40°C to + 50°C

Amp	14Ah
Dimensions (hwxwd)	200mm x 77mm x 140mm
CCA	550A
Peak	891A
Weight	5kg

Sealed lead acid battery which uses advanced pure lead technology. A beautifully proportioned battery which will operate at any attitude (inverted not recommended).

The PV15 has been refined over the years to become a favourite where the ultimate power/weight ratio is needed and where saving every gram is critical. With plate thickness of less than 1 mm each cell has a very large grid surface area of active material giving it that instant 'punch' at starter engagement.

The PV15 is ideally suited for rallycross, hillclimb and single seat racecars.

- Maintenance-free, sealed
- Voltage 12 volts
- 891 peak amps
- 550 amps cranking current
- 14 amp/hour capacity
- Lightweight 5.0kg
- Motorsport, kit car

PVR18



SPECIFICATION

12 volt 14 amp/hour at C20 rate
1000 peak amps
535 amps cranking current for 5 seconds
200 amps CCA 30 seconds to 7.2v @ -18C
Reserve capacity 21 minutes @ 25 amps to 10.5v
Terminals M6 female
Operating temp range -40C to +45C

Amp	14Ah
Dimensions (hwxwd)	170mm x 99mm x 155mm
CCA	535A
Peak	1000A
Weight	5.4kg

Powervamp pure lead maintenance-free drycell battery featuring TPT (thin plate technology) which was originally developed for military aircraft requiring very high power delivery for short durations.

Exceptionally good anti-vibration properties with fast recharge capability and recovery from heavy discharge. Can be mounted upright or flat. Design life of 8-10 years.

This smaller brother of the Powervamp PVR22, but with the same footprint, will fit many Harley Davidson motorbikes as well as jet skis. Also ideal for race and trackday cars up to 2.0 litre where weight saving is at a premium over a/h capacity.

- Maintenance-free, sealed
- Voltage 12 volts
- 1000 peak amps
- 535 amps cranking current
- 14 amp/hour capacity
- Lightweight 5.4 kg
- Motorsport, kit cars, motorbikes, jet skis

PVR20



SPECIFICATION

12 volt 14 amp/hour at C20 rate
1200 peak amps
545 amps cranking current for 5 seconds
185 amps CCA 30 seconds to 7.2v @ -18C
Reserve capacity 18 minutes @ 25 amps to 10.5v
Terminals M6 female
Operating temp range -40°C to +45°C

Amp	14Ah
Dimensions (hwxwd)	176mm x 84mm x 130mm
CCA	545A
Peak	1200A
Weight	4.9kg

Pure lead maintenance free drycell battery featuring TPT (thin plate technology). The construction concept was originally developed for military aircraft requiring very high power delivery for short durations achieved through the use of extremely thin plates.

Exceptionally good anti-vibration properties with fast recharge capability and recovery from heavy discharge. Can be mounted upright or flat. Design life of 8–10 years.

This battery is a standard fit on many jet skis and quad bikes where vibration resistance is appreciated. Sealed construction and small size enable mounting in many locations including footwells. This battery is ideal for track cars with engine sizes up to 2.0 litre.

- Maintenance-free, sealed
- Voltage 12 volts
- 1200 peak amps
- 545 amps cranking current
- 14 amp/hour capacity
- Lightweight 4.9Kg
- Motorcycle, motorsport, kit car

PVR22



SPECIFICATION

12 volt 18 amp/hour at C20 rate
1800 peak amps
625 amps cranking current for 5 seconds
265 amps CCA 30 seconds to 7.2v @ -18C
Reserve capacity 27 minutes @ 25 amps to 10.5v
Terminals M6 female
Operating temp range -40C to +45C

Amp	18Ah
Dimensions (hwxwd)	170mm x 99mm x 175mm
CCA	625A
Peak	1800A
Weight	6kg

A popular pack, the Powervamp PVR22 pure lead TPT (thin plate technology) gives this battery a superb power/weight ratio (watts per kilogram).

Exceptionally good anti-vibration properties with fast recharge capability and recovery from heavy discharge. Can be mounted upright or flat. Design life of 8–10 years.

Able to handle the shock and vibration found in jet skis and quad bikes, it can operate in any orientation (although fully inverted is not recommended). Typically used in the Ultima supercar, it is perfect for use in Lotus 7 inspired cars such as the Caterham and Westfield, particularly those using motorbike engines.

- Maintenance-free, sealed
- Voltage 12 volts
- 1800 peak amps
- 625 amps cranking current
- 18 amp/hour capacity
- Lightweight – 6.0kg
- Motorsport, kit car, jet ski

PVR25



SPECIFICATION

12 volt 18 amp/hour capacity @ C20 rate
1800 peak amps
680 amps cranking current for 5 seconds
220 amps CCA 30 seconds to 7.2v @ -18C
Reserve capacity 28 minutes @ 25 amps to 10.5v
Terminals M6 female
Operating temp range -40C to + 45C

Amp	18Ah
Dimensions (hwxwd)	182mm x 77mm x 168mm
CCA	680A
Peak	1800A
Weight	6.1kg

One of Powervamp's best selling batteries, the PVR25 drycell with its TPT (thin plate technology) has an outstanding power/weight performance. The TPT (key to the high discharge performance required to start high compression engines) has been refined over more than 40 years since the concept was pioneered for turbine starting, where exceptionally high starting currents were essential.

Exceptionally good anti-vibration properties with fast recharge capability and recovery from heavy discharge. Can be mounted upright or flat. Design life of 8-10 years.

The power to weight ratio of this battery make it ideal for single seat race cars, and its military proven vibration resistance make it perfect for hill climb/ rallycross and Lotus 7 inspired trackday cars.

Used on Formula Renault cars it will deliver the cranking required on high compression engines up to 3.5 litre and is used in our Grid start and jump start packs and on some of our highly specialised Aviation packs

- Maintenance-free, sealed
- Voltage 12 volts
- 1800 peak amps
- 680 amps cranking current
- 18 amp/hour capacity
- Lightweight 6.1Kg
- Motorsport, kit car, motorcycle, golf

PVR30



SPECIFICATION

12 volt 26 amp/hour at C20 rate
1556 peak amps
850 amps cranking current for 5 seconds
Operating temp range -40c to +50c

Amp	26Ah
Dimensions (h x w x d)	250mm x 97mm x 156mm
CCA	850A
Peak	1556A
Weight	9kg

Pure lead technology batteries such as this were developed in the 1950s for aircraft engine starting. Two aviation specification versions of this battery were used on the Harrier VTO aircraft to start the Rolls Royce Pegasus engines.

The PVR30 has for many years been the battery of choice for serious rally and racecars and is recognised as the most popular racing battery of all time. This battery can be mounted at any attitude (inverted not recommended) and due to its dimensions it is extremely popular as it is able to be fitted in small out-of-the-way locations.

As with others in the Powervamp range this battery uses advanced maintenance-free pure lead technology with plates less than 1.0 mm thick.

- Maintenance-free, sealed
- Voltage 12 volts
- 1556 peak amps
- 850 amps cranking current
- 26 amp/hour capacity
- Lightweight 9.0kg
- Rally, motorsport, classic car

PVR35



SPECIFICATION

12 volt 29 amp/hour at C20 rate
2400 peak amps
925 amps cranking current for 5 seconds
380 amps CCA 30 seconds to 7.2v @ -18C
Reserve capacity 52 minutes @25 amps to 10.5v
Terminals M6 female
Operating temp range -40c to + 45c

Amp	29Ah
Dimensions (hwxwd)	169mm x 179mm x 128mm
CCA	850A
Peak	1556A
Weight	11.8kg

A world-beater battery, the PVR-35 uses TPT (thin plate technology) – a must when size and weight are not critical, but where amp/hour and sustained cranking or long periods of abusive use demand exceptional ruggedness. Proven in the harshest of trans-African rallies, and fitted to many Porsche rally cars, the PVR-35 has a superb reputation.

Exceptionally good anti-vibration properties are matched with a 29 a/hr capacity and fast recharge capability with good recovery from heavy discharge.

Can be mounted upright or flat. Design life of 8-10 years.

Used extensively in Powervamp's military products, the PVR35's proven vibration resistance, ultra high discharge performance and flame retardant casing are its key features. For applications where high 'G' loads are present or where street-legal vehicles have a need for amp/hour capacity, this battery is an ideal compromise in terms of amp/hour capacity versus size/weight. It is ideal for large capacity V8s up to 5.0 litres.

- Maintenance-free, sealed
- Voltage 12 volts
- 2600 peak amps
- 925 amps cranking current
- 29 amp/hour capacity
- Lightweight 11.8Kg
- Motorsport, rally, kit car, golf, 4 x 4

PVR40



SPECIFICATION

12 volt 38amp/hour at C20 rate
2184 peak amps
1150 amps cranking current for 5 seconds
Dimensions; length 250mm, width 97mm, height 206mm
Weight 12.5kg
Terminals M6 male
Operating temp range -40C to +50C

Amp	38Ah
Dimensions (hwxwd)	250mm x 97mm x 206mm
CCA	1150A
Peak	2184A
Weight	12.5kg

The bigger brother of the PVR30 – being taller but with the same footprint – the PVR40 is used extensively in rally cars where greater amp/hour capacity is required. Originally developed to deliver the very high instantaneous power required to start aircraft engines, this model is world renowned and offers the best performance-to-weight ratio of any battery.

Ideally suited for use in rally cars, where the larger amp/hour capacity compensates for the current drain required for auxiliaries and where weight is less of an issue. This battery can be mounted at any attitude (inverted not recommended). As with all the batteries in the range the PVR40 is maintenance free.

- Maintenance-free, sealed
- Voltage 12 volts
- 2184 peak amps
- 1150 amps pulse current
- 38 amp/hour capacity
- Weight 12.5kg
- Rally, motorsport, classic car

PVR60



SPECIFICATION

2 volt
51amp/hour at C20 rate
2618 peak amps
1400 amps cranking current for 5 seconds
Terminals M6 male
Operating temp range -40C to +50C

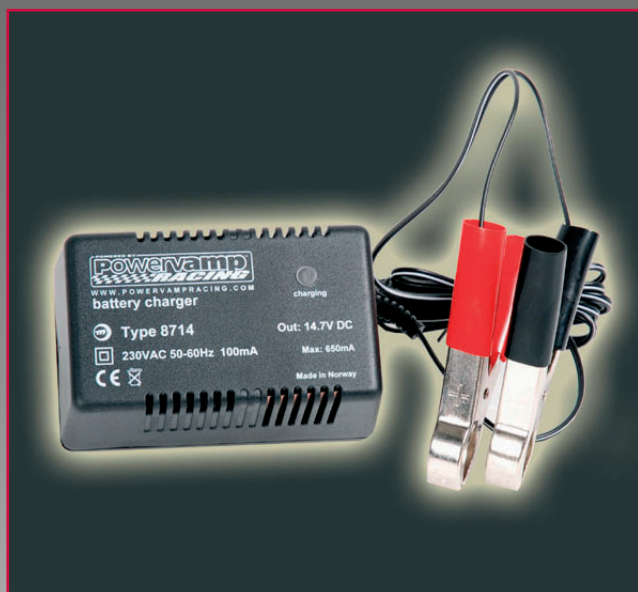
Amp	51Ah
Dimensions (hwxwd)	220mm x 121mm x 260mm
CCA	1400A
Peak	2618A
Weight	17.5kg

The largest battery in the range, with similar amp/hour capacity to a similar size wet lead acid battery, but with 3 times the cranking capability. If weight is not an issue this battery delivers both massive power and the capability to supply loads for long periods. Will start large petrol V8 engines of 10 litres plus.

Used in rally cars where spare battery capacity is a concern on night stages etc or for total loss systems where no alternator is present.

- Maintenance-free, sealed
- Voltage 12 volts
- 2618 peak amps
- 1400 amps pulse current
- 51 amp/hour capacity
- Rally, motorsport, 4 x 4

PVR650CHG



SPECIFICATION

Charging voltage	14.9v
Charge current	650ma
Dimensions	100mm x 51mm x 63mm
Weight	459g
Input voltage	230v

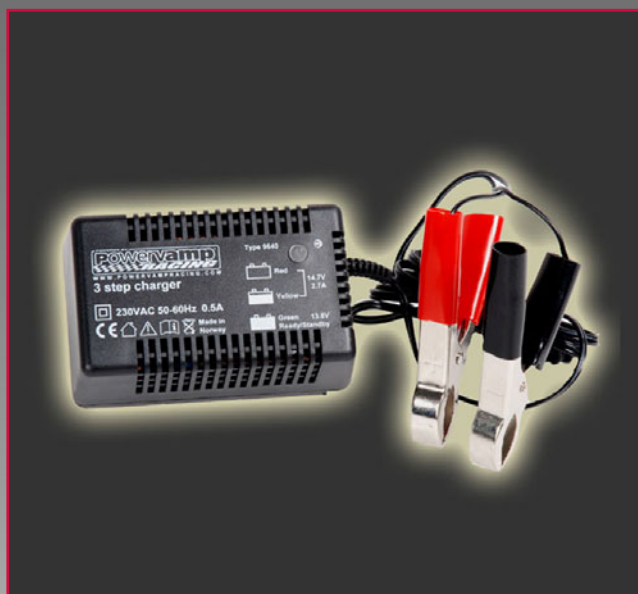
Powervamp Racing offers a range of chargers specifically designed to maximise battery life and ensure high rate performance.

The PVR650CHG is an affordable solution in ensuring that your battery remains in peak condition at all times. The 650ma output is designed to slowly trickle charge the battery, and then maintain it when fully charged, over the winter period or when the car is not in regular use. This product ensures that the longevity of the battery's life is never compromised through 'deep discharge failure' by an alarm, immobiliser, tracker etc, and ensures that the battery is always ready for use.

Available with UK and Euro plug configuration.

The complete range of Powervamp chargers can be left connected to our racing batteries indefinitely without incurring any damage.

PVR2.7CHG



SPECIFICATION

Charging voltage	14.7v
Charge current	2.7a
Dimensions	100mm x 51mm x 63mm
Weight	250g
Input voltage	230v

Indication

Red	2.7a (boost)
Orange	14.7v (timer)
Green	13.8v (float)

Powervamp Racing offers a range of chargers specifically designed to maximise battery life and ensure high rate performance.

The PVR2.7CHG is a compact and powerful product for ensuring that your battery is always in peak condition. The 2.7 amp output ensures that your battery will be charged and maintained over the course of a few hours. Ideally used for overnight charge, the tri-coloured LED allows the operator to see the battery's charge status at any time. The charger also benefits from reverse polarity protection, long output cables and a lightweight design.

Available with UK and Euro plug configuration.

The complete range of Powervamp chargers can be left connected to our racing batteries indefinitely without incurring any damage.

PVR25GRID

12V 1800A Grid Start Kit Complete



SPECIFICATION

Amp/hour capacity	18
Peak amps	1800
Charger	4 amp/hour (external)
Dimensions (hwxwd)	345mm x 205mm x 110mm
Weight	7.5kg

The PVR25 Grid Start Pack has been specifically designed for use within the motorsport arena to maximise the vehicles' onboard battery.

The pack comprises a high performance racing battery, capable of providing up to 1800A peak, housed in a specially toughened shatterproof impact-resistant polymer case.

It also comes fitted with a 175A Anderson type connector and handle for simple 12V plug-and-play starting.

The PVR25 Grid Start Pack combines the high performance of a racing battery with the strength and reliability of our military power packs, making this an ideal product for use within the pits as well as critical start applications.

PVR35GRID

12V 2600A Grid Start Kit Complete



SPECIFICATION

Amp/hour capacity	29
Peak amps	2600
Charger	2.3 amp/hour (internal)
Dimensions (h x w x d)	345mm x 205mm x 145mm
Weight:	12.3kg

The PVR35 Grid Start Pack has been specifically designed for use within the motorsport arena to maximise the vehicles' onboard battery.

The pack comprises a high performance racing battery, capable of providing up to 2600A peak, housed in a specially toughened shatterproof impact-resistant polymer case.

It also comes fitted with a 175A Anderson type connector and handle for simple 12V plug-and-play starting.

The PVR25 Grid Start Pack combines the high performance of a racing battery, with the strength and reliability of our military power packs, making this an ideal product for use within the pits as well as critical start applications.

PVRTROL

Battery and Tool Box Trolley

For use with PVR and similar batteries.



The Powervamp Racing Battery / Toolbox Trolley is ideal for use between the paddock and pits.

Designed in house with the end user in mind it will safely carry your spare racing battery, while providing a useful tray to keep your tools at hand. It even has a cable hook to stow your jump leads.

Manufactured from mild steel and powder coated for protection, its heavy duty pneumatic tyres ensure smooth operation on any surface.

PVRQRC |

Quick Release Battery Connectors (Pair)



SPECIFICATION

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