PORTABLE BATTERY COLLECTION







Emergency Services / Marine & Outdoors / Film & Television / Sports & Leisure / Construction / Surveillance & Security / Astronomy







CE Approved Protected

**Highlighted features:** 

12 Month against warranty overcharge

Compliant

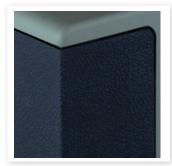
RoHS

# III TRACER III

Lightweight.



Supplied with AC Mains charger, 12V DC charger, 12V Output connector.



Soft grip texture - Non slip rubber, robust ABS casing.

### "

01

01 12V Charge port.

03 LED Fuel gauge.

02 12V Output (Bullet).

02

Flat Discharge – Brighter for longer. If you are powering lights they will remain brighter for longer, giving you sustained performance.

03



### LITHIUM POLYMER **POWER PACKS (LiPo)**

These batteries are in use in their thousands, for many applications where the lightest, most compact battery is needed. The UK's top selling 12V lithium battery.

- Key features:
  - Extremely lightweight (1/4 weight of Sealed Lead Acid)
  - Smallest physical size
  - Built in LED fuel gauge
  - Faster recharge time
  - Flat discharge curve high power for longer
  - Overcharge and short circuit protected
  - Robust ABS case
  - Temperature range (charging): 0°C - 45°C
  - Temperature range (discharging): -10°C – 60°C
  - Cycle life > 300 cycles

#### • Safety features:

Integrated Electronic 'Battery Management System' (BMS) provides the following protection:

- Overcharge & over-discharge protection
- Thermal protection
- Over current protection
- Short circuit protection

#### • What's in the box:

- Neoprene carry case
- TR8132 Bullet right angle to 12V Socket (0.2m lead)
- TR8136 1.65A AC Mains charger (UK, EU, AU & US adaptors)
- TR8137 DC Vehicle charger



TR8129 Bullet straight adaptor cable to bare ends (1m lead)



TR8132 Bullet right angle to 12V socket (0.2m lead)



TR8133 Bullet to 12V plug (0.2m lead)



TR8134 Bullet straight to right angle (0.2m lead)



TR8139 Bullet straight to 12V socket (0.2m lead)



TR8140 Bullet right angle adaptor cable to bare ends (1m lead)



TR8141 Bullet adaptor cable to DC plug 2.1mm centre (0.5m lead)



TR8142 Bullet adaptor cable to DC plug 2.5mm centre (0.5m lead)



TR8143 Bullet adaptor cable to 1/4" (6.35mm) Jack socket (0.2m lead) (Cluson style)



TR8144 Bullet adaptor cable to XLR 4 Pin (0.5m lead)



TR8165 Bullet to Hirose plug (0.3m lead)

BP2548



TR8167 DC Converter 12V to 5V USB lead (1m lead)



TR8136 12V 1.65A LiPo Mains charger with UK, EU, AU & US adaptors (1m lead)



**TR8137** 12V DC Vehicle charger (1m lead)

BP2541

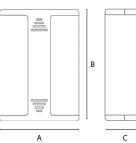
BP2544



TR8138 – (Half your charge time!) 12V 3A Fast charger (UK & EU leads) (Not for use on BP2541)



BP2545



Code Model Run time (hrs) Max discharge current Dimensions (mm) Weight Charge time (hrs) 100W Α В C (g) 1.65A 3A Continuous Peak (for 10ms) N/A\* BP2541 12V 4Ah 76 115 32 360 2-3 N/A 4A 20A BP2544 12V 8Ah 600 8-12 4-6 0.75 8A 30A 80 38 152 BP2545 12V 10Ah 80 152 48 735 9-14 4-7 1 10A 30A BP2546 12V 14Ah 1.5 10A 115 161 56 950 10-16 5-8 30A BP2548 12V 22Ah 1250 14-20 7-10 2 10A 115 161 56 30A

BP2546

\* BP2541 - only suitable for 50W max. output.





#### F CE Approved Protected

against

overcharge

**Highlighted features:** 

Charge port with dust cover.

12 Month

warranty

**UN38.3** Certified

RoHS Compliant

• Key features:

Sealed Lead Acid)

Small physical size - Waterproof design to IP64 - Built in LED Fuel gauge Faster recharge time

- Robust ABS case

Cycle life > 1400 cycles

- Extremely lightweight (1/3 weight of

 Flat discharge curve – high power for longer Overcharge and short circuit protected

- Temperature range (charging): 0°C - 40°C - Temperature range (discharging): -10°C - 60°C

LED Fuel gauge with indicator lights Waterproof battery condition gauge.



Easy connect function - Snap in Bullet output.



Soft grip texture – Non slip rubber, robust ABS casing.

• Safety features:

LITHIUM IRON PHOSPHATE

**POWER PACKS (LiFePO4)** 

Integrated Electronic 'Battery Management System' (BMS) provides the following protection:

- Overcharge & over-discharge protection
- Thermal protection
- Over current protection
- Short circuit protection

#### • What's in the box:

- Canvas carry case
- TR8205 4A AC Mains charger
- TR8132 Bullet R/A to 12V socket

### "

Enjoy over 1400 cycles with these batteries, which are also capable of fast charging.



TR8129 Bullet straight adaptor cable to bare ends (1m lead)



TR8132 Bullet right angle to 12V socket (0.2m lead)



TR8133 Bullet to 12V plug (0.2m lead)



TR8134 Bullet straight to right angle (0.2m lead)



TR8139 Bullet straight to 12V socket (0.2m lead)



TR8140 Bullet right angle adaptor cable to bare ends (1m lead)



TR8141 Bullet adaptor cable to DC plug 2.1mm centre (0.5m lead)



TR8142 Bullet adaptor cable to DC plug 2.5mm centre (0.5m lead)



TR8143 Bullet adaptor cable to 1/4" (6.35mm) Jack socket (0.2m lead) (Cluson style)



TR8144 Bullet adaptor cable to XLR 4 Pin (0.5m lead)



TR8165 Bullet to Hirose plug (0.3m lead)



TR8167 DC Converter 12V to 5V USB lead (1m lead)



TR8205 12V 4A LiFePO4 Smart charger (UK & EU 1m leads). Supplied





#### TR8180 DC Vehicle Charger

Charge from your Vehicle to 12V LiFePO<sub>4</sub>

Tracer have developed a DC to DC charger with a 'Buck Booster' circuit. (1m lead) This charger enables the \*LiFePO4 battery to be charged from a vehicle

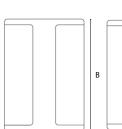
12V socket. The input voltage to the buck booster can be from 9-16V DC

and the output voltage is stabilised at 14V, the voltage needed to charge a LiFePO4 battery. Maximum output current is 2A.

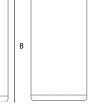
\* Not to be used on LiPo batteries.







А



С

BP2607-II

BP2624-II

Code	Model	l Dimensions (mm)		Weight	Charge time (hrs)	Run time (hrs)	Max discharge current		
		А	В	С	(g)	12V 4A	100W	Continuous	Peak (for 10ms)
BP2607-II	12V 7Ah	93	145	65	985	4-6	1	10A	30A
BP2616-II	12V 16Ah	131	176	82	2215	8-9	2	10A	40A
BP2624-II	12V 24Ah	138	187	94	2900	12-13	3	10A	40A

BP2616-II





### CE

CE Approved Protected against

12 Month warranty overcharge

RoHS

#### **UN38.3** Certified

Compliant

### LITHIUM IRON PHOSPHATE **BATTERY PACKS (LiFePO4)**

With spring loaded grab-handle.

These batteries are ideal for powering motors and where higher output current is needed. LiFePO<sub>4</sub> batteries are the safest battery technology.

These sealed units are waterproof to IP64 standard. They can be used with the neoprene pouch (sold separately). A spring loaded grab-handle makes carrying easy.

- Key features:
- Extremely lightweight (1/3 weight of Sealed Lead Acid)
- Waterproof to IP64 standard
- Built in fuel gauge
- Longer lasting discharge
- Faster recharge time
- Suitable for many uses up to 30A continuous discharge (using screw terminals)
- Overcharge and short circuit protected
- Temperature range (charging):
- 0°C 40°C
- Temperature range (discharging): - 10°C - 60°C

#### • Safety features:

Integrated Electronic 'Battery Management System' (BMS) provides the following protection:

- Overcharge & over-discharge protection
- Thermal protection
- Over current protection
- Short circuit protection

#### • What's in the box:

- TR8205 4A charger (12V models only)
- TR8207 2A charger (24V model only)
- TR8404 EC5 to bare ends

#### **Highlighted features:**



Charge port with dust cover.



LED Fuel gauge with indicator lights. Waterproof battery condition gauge.



Easy connect function - EC5 connector, 2x USB, 1x USB C, +/-Screw Terminals



Spring loaded grab-handle - Easy to transport. (Neoprene pouch optional extra)

" These sealed units are waterproof to IP64 standard.





TR8125 Eyelets to 12V socket (0.25m lead)

TR8152 Neutrik socket to

eyelets (0.5m lead)



TR8404 EC5 to bare ends (0.5m lead)



TR8405 EC5 to DC plug 2.5mm centre (0.5m lead)



TR8409 EC5 to DC plug 2.1mm centre (0.5m lead)



TR8431 EC5 to 12V socket (0.5m lead)



TR8205 12V 4A LiFePO<sub>4</sub> Smart charger (UK & EU 1m leads). Supplied with 12V models



TR8206N 12V 10A Fast charger with Neutrik plug (UK & EU 1m leads). To connect to battery TR8152 needed



TR8207 24V 2A LiFePO4 Smart charger (UK & EU 1 m leads). Supplied with 24V model



TR8208N 24V 5A Fast charger with Neutrik plug (UK & EU 1m leads). To connect to battery TR8152 needed



#### TR8180

DC to DC charger with a 'Buck Booster' circuit. (1m lead) (Excluding **BP2578**). Please see page 05 for full description.

		TRACER MUNITRACERPOWER.COM		В	
BP2564	BP2568	BP2578	A		C

Code	Model	Dimensions (mm)			Dimensions (mm) Weight		Charge t	Charge time (hrs) Run time (hrs		s) Max discharge current		
		А	В	С	D	(kg)	4A	10A	100W	Continuous	Peak (for 10ms)	
BP2564	12V 16Ah	165	125	110	35	2	4-6	2-3	2	30A	90A	
BP2568	12V 24Ah	165	160	110	35	2.9	6-8	3-4	3	30A	90A	
							2A	5A				
BP2578	24V 8Ah	165	125	110	35	2	4-6	2-3	2	15A	30A	









CE Approved Protected 12 Month against warranty overcharge

12 Month RoHS warranty Compliant

### LITHIUM-ION PORTABLE CARRY CASE KITS (Li-ion)

IP64 rated strong and robust carry case kit. Illuminated digital display and USB connection.

These Li-ion portable carry case battery kits are supplied fully wired, complete with a smart charger and multiple outputs, including USB.

The technology used provides a lightweight compact attractively priced battery, which is ideal for a variety of mobile solutions. A digital battery meter indicates battery charge state. The batteries have been certified to UN38.3 safety standards and are CE and RoHS approved.

#### Key features:

- Robust IP64 rated case
- Lightweight and compact
- Wired and ready to use
- Rapid recharging (up to 20A)
- 20A output choices (2 options)
- 12V socket (rated 10A)
- USB sockets x2 (2.1A & 1A)
- Illuminated battery meter -
- displays battery charge status – Typical 500 cycles
- 12 month warranty
- Fully certified for safe use

#### • Safety features:

Integrated Electronic 'Battery Management System' (BMS) provides the following protection: – Overcharge & over-discharge protection

- Thermal protectionOver current protection
- Short circuit protection

#### • What's in the box:

- IP64 rated strong and robust carry case
- TR8215 10A Fast charger
- TR8305 Male plug with 1m lead
- Outlet eyelets 14awg

#### **Bespoke connections**

Custom made adaptors available. We are able to offer almost any conceivable configuration, adaptor or connection for your Li-ion battery pack. Please contact us with your specific requirements: **t**: 0191 496 9988 **e**: info@tracerpower.com

#### **Highlighted features:**



- 01 5V USB Output socket x2 (2.1A & 1A).
- 02 12V socket (rated 10A).
- 03 Battery charge meter, clear illuminated digital display.
- 04 USB and Fuel gauge power switch.





05 CH2F socket for Charge / discharge (rated 20A).06 Output Terminal posts rated 20A.

**UN38.3** 



PL2M 20A Male plug



PL2M 20A Male plug

with cable to bare ends

TR8305

(1m lead)



PL2F 20A Female plug

TR8306



TR8307 PL2F 20A Female with cable to bare ends plug (1m lead)



TR8308

CH2F 20A Female

chassis socket

TR8310

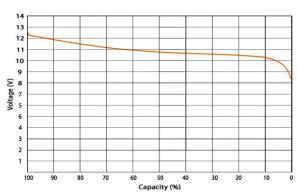
Terminal posts x2 (red & black) with eyelets



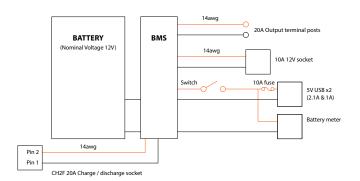
TR8215 12V 10A Fast charger (UK & EU 1m leads)

#### Discharge Curve (typical)

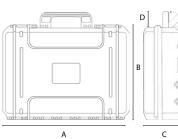
Flat discharge curve - constant power for longer.

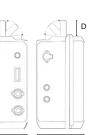


Circuit diagram









BP2910





Run time (hrs)

С С Max discharge curren

Continuous	Peak (for 10ms)
20A	50A
20A	50A
20A	50A
	20A 20A







Protected against overcharge **UN38.3** 

12 Month warranty

RoHS





Compliant

### LITHIUM-ION BATTERY **MODULE** (Li-ion)

### Battery module with multiple output leads and a LED Fuel gauge.

Lithium-ion battery modules offer extremely portable and lightweight power solutions, ideal for installing within equipment or a portable case. The multiple connections and LED Fuel gauge offer great flexibility of use.

Supplied as battery module with multiple output leads and a fuel gauge. Customers will need to choose a charger and connections to fit their bespoke equipment.

#### Key features:

- Extremely lightweight (1/4 weight of Sealed Lead Acid battery)
- Certified \_ Small physical size
  - Fuel gauge
  - Longer lasting discharge
  - Faster recharge time
  - Suitable for many uses up to 20 AMP output current
  - Overcharge and short circuit protected
  - Temperature range (charging): 0°C 45°C
  - Temperature range (discharging):
  - -10°C 60°C

#### • Safety features:

Integrated Electronic 'Battery Management System' (BMS) provides the following protection: Overcharge & over-discharge protection

- Thermal protection
- Over current protection - Short circuit protection

#### • What's in the box:

- **Battery Module**
- TR8300 In-line LED Fuel gauge
- TR8308 CH2F Charge / discharge socket (rated 20A)
- TR8309 -12V socket (rated 10A)
- TR8310 Terminal posts (x2) with eyelets

#### Connections:

Tracer Li-ion Battery Modules are supplied with several wired connectors. The supplied CH2F chassis mount socket can be used for output or charging and connects with the PL2M plugs fitted to all compatible chargers. The 12V socket offers familiar connectivity to a wide-range of 12V devices. TR8310 provides terminal posts with eyelets for a 20A output connection.

#### **Highlighted features:**



LED Fuel gauge with indicator lights.



CH2F 20A Charge / discharge socket supplied.



Prewired with 10A 12V socket, eyelet crimps, charge socket and LED Fuel gauge connections.

#### **Bespoke connections**

Custom made adaptors available. We are able to offer almost any conceivable configuration, adaptor or connection for your Li-ion battery pack. Please contact us with your specific requirements: t: 0191 496 9988 e: info@tracerpower.com

" Supplied as a battery module with multiple output leads.





TR8302 USB chassis socket



Push button switch



TR8304 PL2M 20A Male plug



TR8305 PL2M 20A Male plug with cable to bare ends (1m lead)



TR8215 12V 10A Fast charger



PL2F 20A Female plug

TR8306

TR8307 PL2F 20A Female plug with cable to bare ends (1m lead)



TR8308 CH2F 20A Female chassis socket



TR8309 12V 10A chassis socket



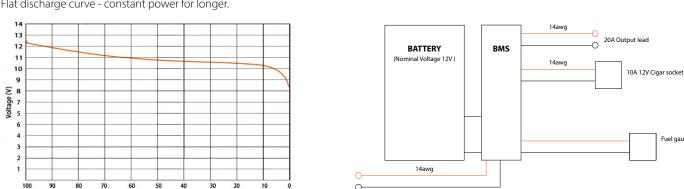
TR8310 Terminal posts x2 (red & black) with eyelets



(UK & EU 1m leads)

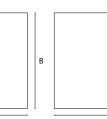


#### Circuit diagram



CH2F 20A Charge / Discharge socket





BP2805

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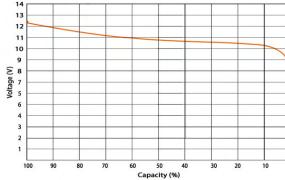
С

Fuel gauge

Code	Model	Dimensions (mm)		(mm)	Weight	Charge time (hrs)	Run time (hrs)	Max disch	Max discharge current	
		А	В	С	(kg)	12V 10A	100W	Continuous	Peak (for 10ms)	
BP2805	12V 50Ah	133	202	74	3.3	7	6	20A	50A	
BP2810	12V 100Ah	242	215	73	б	13	12	20A	50A	
BP2815	12V 150Ah	310	242	73	9	20	18	20A	50A	

Discharge Curve (typical)

Flat discharge curve - constant power for longer.







UN38.3 Certified





CE Approved Protected against overcharge



Kit

LITHIUM IRON PHOSPHATE CARRY CASE KITS (LiFePO4)

IP67 Waterproof Peli<sup>™</sup> Case Kit using Amphenol circular MIL Spec connector system.

Professional power packs housed within a protective Peli<sup>™</sup> Case. These battery packs are the portable solution, easy to carry and install.

A robust IP67 Waterproof standard case has been pre wired. Built using Amphenol Circular MIL Spec Connector system offering full IP67 protection. The batteries use prismatic cells that create the lightest weight construction. Supplied with built-in internal LED Fuel gauge and charger.

#### Key features:

- Peli<sup>™</sup> Case
- Built-in internal LED Fuel gauge
- Wired and ready to use
- Two Amphenol sockets fitted to case
- Longer lasting discharge
- Faster recharge time
- IP67 Waterproof standard
- Up to 30A output, by using TR8185
- Overcharge and short circuit protected
- Temperature range (charging): 0°C 40°C
- Temperature range (discharging):
- 10°C 60°C

#### • Safety features:

Integrated Electronic 'Battery Management System' (BMS) provides the following protection:

- Overcharge & over-discharge protection
- Thermal protection
- Over current protectionShort circuit protection
- Short circuit protect

#### • What's in the box:

- Peli<sup>™</sup> Case Kit
- BP2785 24V 5A LiFePO<sub>4</sub> Smart charger
- BP2786 & BP2788 12V 10A Fast charger
- BP2789 & BP2790 12V 20A Ultra-Fast charger
- TR8186 Amphenol plug to bare ends

#### • 30 Amp output solution:

If the output current required is greater than 20A use **TR8185** to achieve up to 30A.

#### Highlighted features:



IP67 Waterproof standard case – Protects against water penetration.



Wired internal LED Fuel gauge for easy battery condition check.



Peli™ Case – Robust carry case.



Amphenol connection – Two wired outputs / charge sockets.

#### **Bespoke connections**

Custom made adaptors available. We are able to offer almost any conceivable configuration, adaptor or connection for your LiFePO4 battery pack. Please contact us with your specific requirements: t: 0191 496 9988 e: info@tracerpower.com

**FG** Portable power that is easy to carry and install.



LiFePO<sub>4</sub> BATTERIES

### OPTIONAL ACCESSORIES



TR8185 Twin Amphenol output lead to achieve 30A output current (0.5m lead)



TR8186 Amphenol plug to bare ends (1m lead)



TR8187 Amphenol plug



TR8188 Amphenol socket



TR8206A 12V 10A LiFePO4 Fast Smart charger (UK & EU 1m leads)



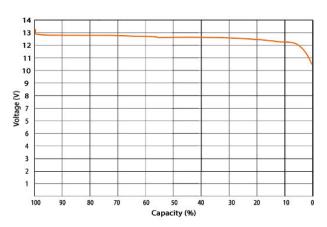
TR8208A 24V 5A LiFePO4 Fast Smart charger (UK & EU 1m leads)



TR8212A 12V 20A LiFePO4 Ultra-Fast Smart charger (UK & EU 1m leads)

Discharge Curve (typical)

Flat discharge curve - constant power for longer.





Code	Model	Dimensions (mm)		Weight	Weight Charge time (hrs)		Run time (hrs) Max discharge cu		arge current		
		А	В	С	D	(kg)	12V 10A	12V 20A	100W	Continuous	Peak (for 10ms)
BP2786	12V 40Ah	300	249	119	50	6	5-7	3-5	5	30A	60A
BP2788	12V 80Ah	411	322	168	50	10.8	12-15	6-9	9	30A	60A
BP2789	12V 100Ah	411	322	168	50	13.2	14-18	9-14	12	30A	60A
BP2790	12V 170Ah	462	340	170	50	22	22-30	13-18	20	30A	60A
								24V 5A			
BP2785	24V 20Ah	300	249	119	50	6		5-7	5	30A	60A



40Ah

12 Month

warranty

RoHS

Compliant

### LITHIUM IRON PHOSPHATE (LiFePO4)

### Battery module with LED Fuel gauge.

These battery modules are for bespoke applications, ideal for fitting to customers' designed equipment. The batteries use prismatic cells that create the lightest weight construction.

Supplied as a battery module with fuel gauge. Customers will need to choose a charger, a case and output leads if required to fit their bespoke equipment.

#### • Key features:

- Extremely lightweight (1/3 weight of Sealed Lead Acid battery)
- Small physical size
- Fuel gauge

UN38.3

Certified

- Longer lasting discharge
- Faster recharge time
- Suitable for many uses up to 30 AMP output current
- Overcharge and short circuit protected
- Temperature range (charging): 0°C 40°C
- Temperature range (discharging): -  $10^{\circ}$ C -  $60^{\circ}$ C
- -100-000

#### • Safety features:

Integrated Electronic 'Battery Management System' (BMS) provides the following protection:

- Overcharge & over-discharge protection
- Thermal protection
- Over current protection
- Short circuit protection

#### • What's in the box:

- Battery Module
- In-line LED Fuel gauge

#### Connections:

Tracer LiFePO4 Battery Modules are supplied with two bare end wires; one red (+ve) and one black (-ve). These wires are to be used for charging and discharging the battery. A selection of different connectors are available to suit your application. LiFePO4 Modules require a Neutrik socket converter (TR8158, TR8159 or TR8162) to charge via a TR8206N or TR8208N or TR8212N.

#### Highlighted features:

CYCLE LIFE> 1400 CYCLES

( F

CE Approved Protected

against

overcharge



LED Fuel gauge with indicator lights. Can be mounted externally.



#### Cell construction – Constructed using prismatic cells.



BMS – Typical Internal Protection.

## **Extremely lightweight at 1/3 weight** of Sealed Lead Batteries.

Custom made adaptors available. We are able to offer almost any conceivable configuration, adaptor or connection for your LiFePO4 battery pack. Please contact us with your specific requirements: t: 0191 496 9988 e: info@tracerpower.com

**Bespoke connections** 

14





TR8156 Neutrik plug to bare ends (1m lead)

TR8157 Neutrik plug to XLR 4 Pin (0.5m lead)



TR8158 Neutrik socket to terminal block (0.5m lead) use on battery module



**TR8159** Neutrik plug





TR8162 Neutrik chassis socket with bung



TR8206N 12V 10A Fast charger (UK & EU 1m leads). To connect to battery TR8158 is needed



TR8208N 24V 5A Fast charger (UK & EU 1m leads). To connect to battery TR8158 is needed



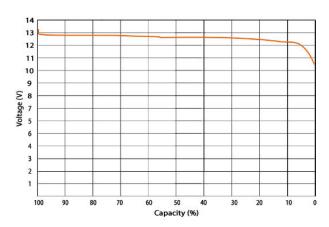
TR8212N 12V 20A Ultra-Fast charger (UK & EU 1m leads). To connect to battery TR8158 is needed. Can be used for all 12V models

Discharge Curve (typical)

Flat discharge curve - constant power for longer.

TR8160

Neutrik socket





Code	Model	Dimensions (mm)		(mm)	Weight	Charge time (hrs)		Run time (hrs)	Max discharge current	
		А	В	С	(kg)	12V 10A	12V 20A	100W	Continuous	Peak (for 10ms)
BP2570	12V 40Ah	215	145	90	4.6	5-7	3-5	5	30A	60A
BP2574	12V 80Ah	216	148	179	9.1	12-15	6-9	9	30A	60A
BP2576	12V 100Ah	200	156	244	11.3	14-18	9-14	12	30A	60A
BP2577	12V 170Ah	368	286	118	18	22-30	13-18	20	30A	60A
							24V 5A			
BP2580	24V 20Ah	216	150	100	4.6		5-7	5	30A	60A