

AMPS

ADVANCED MOBILE POWER SYSTEMS

Lithium batteries | 12V/24V fridges | Portable Power Supplies | Battery Chargers / Monitors + Battery Cabinets

Lithium Iron Phosphate

12V 20Ah | 30Ah

SKU	Capacity	Max Charge / Discharge	Weight
AL1220	20Ah	20A	2.2kg
AL1230	30Ah	30A	3.1kg



M4 studs AL1220
M6 studs AL1230

19.0L x 7.7W x 18.7H (cm)

12V 105Ah

SKU	Capacity	Max Charge / Discharge	Weight
L12100	105Ah	100A	9.5kg



T1 DIN studs + 8mm



28.0L x 17.6W x 17.2H (cm)

12V 70Ah

SKU	Capacity	Max Charge / Dis.	Weight	Bluetooth	Heater
LH1270	70Ah	70A	6.5kg	Yes	Yes - 25W



M8 studs

22.5L x 14.0W x 21.0H (cm)

12V 80Ah | 100Ah

SKU	Capacity	Max Charge / Dis.	Weight	Bluetooth	Heater
LH1280	80Ah	100A	8.5kg	Yes	Yes - 50W
LH12100	100Ah	100A	10.7kg	Yes	Yes - 50W



M8 studs

26.0L x 16.5W x 21.0H (cm)

12V 120Ah | 150Ah

SKU	Capacity	Max Charge / Dis.	Weight	Bluetooth	Heater
LH12120	120Ah	120A	13.1kg	Yes	Yes - 50W
LP12150	150Ah	200A	16.7kg	Yes	Yes - 50W



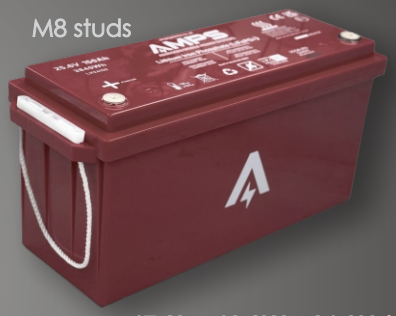
M8 studs

33L x 17.0W x 21.0H (cm)

12V 200Ah | 300Ah

SKU	Capacity	Max Charge / Dis.	Weight	Bluetooth	Heater
LH12200	200Ah	200A	18.4kg	Yes	Yes - 100W
LH12300	300Ah	300A	28.4kg	Yes	Yes - 100W

M8 studs



47.0L x 19.0W x 24.0H (cm)

M8 studs



38.7L x 20.6W x 27.3H (cm)

SKU	Capacity	Max Charge / Dis.	Weight	Bluetooth	Heater
LH12320	320Ah	300A	28.4kg	Yes	Yes - 100W

12V 400Ah | 500Ah

SKU	Capacity	Max Charge / Dis.	Weight	Bluetooth	Heater
LH12400	400Ah	300A	38.4kg	Yes	Yes - 100W
LH12500	500Ah	300A	47.0kg	Yes	Yes - 100W

M8 studs



52.0L x 26.7W x 22.0H (cm)

24V 50Ah

SKU	Capacity	Max Charge / Dis.	Weight	Bluetooth	Heater
LH2450	50Ah	100A	8.5kg	Yes	Yes - 50W

M8 studs

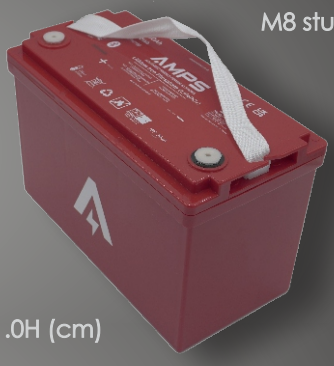


26.0L x 16.5W x 21.0H (cm)

36V 50Ah

SKU	Capacity	Max Charge / Dis.	Weight	Bluetooth	Heater
LH3650	50Ah	100A	18.4kg	Yes	Yes - 100W

M8 studs

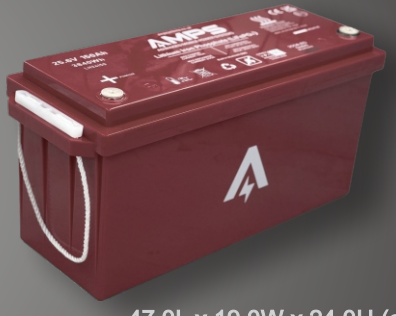


33L x 17.0W x 21.0H (cm)

24V 150Ah | 48V 50Ah

SKU	Capacity	Max Charge / Dis.	Weight	Bluetooth	Heater
LH24150	150Ah	200A	28.4kg	Yes	Yes - 100W
LH4850	50Ah	100A	18.4kg	Yes	Yes - 100W

M8 studs



47.0L x 19.0W x 24.0H (cm)

48V (51.2V | 16S) 125Ah

SKU	Capacity	Max Charge / Dis.	Weight	Bluetooth	Heater
LH48125	125Ah	120A	46.0kg	Yes	Yes - 120W



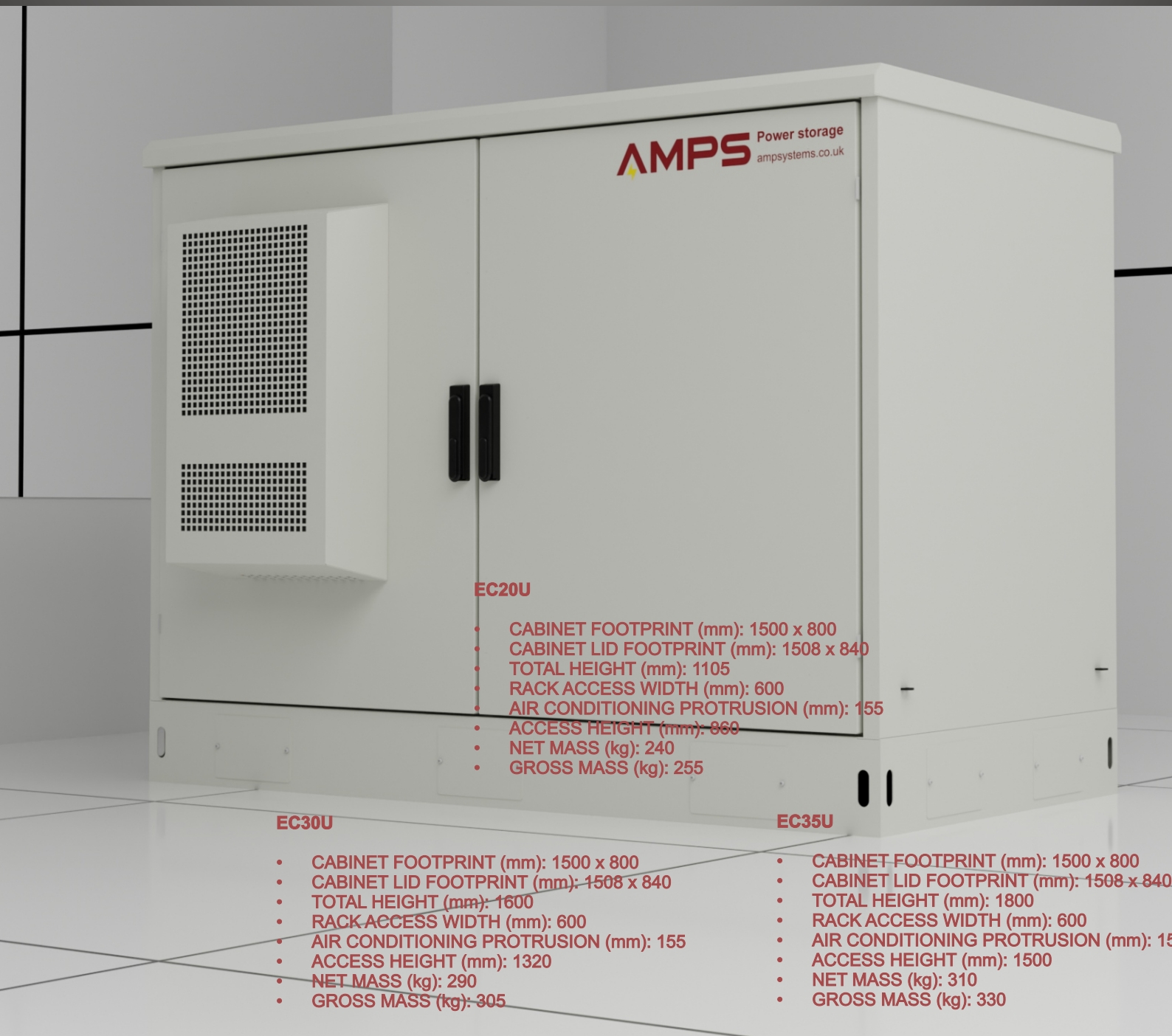
52.0L x 26.7W x 22.0H (cm)

48V (51.2V | 16S) 100Ah | 150Ah

SKU	Capacity	Max Charge / Dis.	Weight	Comms	Heater
RB48100	100Ah	100A	51.0kg	Yes	Yes - 100W
RB48150	150Ah	200A	65.0Kg	Yes	Yes - 208W



52.0L x 26.7W x 22.0H (cm)



EC20U

- CABINET FOOTPRINT (mm): 1500 x 800
- CABINET LID FOOTPRINT (mm): 1508 x 840
- TOTAL HEIGHT (mm): 1105
- RACK ACCESS WIDTH (mm): 600
- AIR CONDITIONING PROTRUSION (mm): 155
- ACCESS HEIGHT (mm): 860
- NET MASS (kg): 240
- GROSS MASS (kg): 255

EC30U

- CABINET FOOTPRINT (mm): 1500 x 800
- CABINET LID FOOTPRINT (mm): 1508 x 840
- TOTAL HEIGHT (mm): 1600
- RACK ACCESS WIDTH (mm): 600
- AIR CONDITIONING PROTRUSION (mm): 155
- ACCESS HEIGHT (mm): 1320
- NET MASS (kg): 290
- GROSS MASS (kg): 305

EC35U

- CABINET FOOTPRINT (mm): 1500 x 800
- CABINET LID FOOTPRINT (mm): 1508 x 840
- TOTAL HEIGHT (mm): 1800
- RACK ACCESS WIDTH (mm): 600
- AIR CONDITIONING PROTRUSION (mm): 15
- ACCESS HEIGHT (mm): 1500
- NET MASS (kg): 310
- GROSS MASS (kg): 330


AMPS

Portable Power

Laurel | 600



4 ways to charge

- AC - using the provided mains battery charger
- 25A DC DC Charging - you can charge through the onboard Anderson Socket at 25A.
- 230W worth of solar input
- 1x 65W USB-C charging capability.

- LiFePO4 battery with Built-in 230V/600W Pure Sine Wave Inverter
- Battery Capacity: 12.8V, 40Ah, 512Wh
- Robust Construction with hinged handle
- Robust battery protective housing with advanced BMS Multi fans high efficient cooling system



Portable Power



DC OUTPUT:

2 x 6mm DC Jack, 12V/6A Max.

1 x Car Cigarette Socket, 2/12V, 12A Max.

AC OUTPUT:

2 x AC Socket, 230V/600W Pure Sine Wave Output

Anderson OUTPUT:

1 x Anderson port with 25A over current protection

Interrupter for Anderson port

15W Wireless charging with LED indicator

INPUT:

1 x Mini Anderson Socket (for solar panels/adapter/ car charge DC-DC)

Input voltage 10V / 12.5V ~ 60VDC, 15A Max.

1 x 8mm DC Jack (for solar panels/adapter), input voltage 15~24VDC, 8A Max.

USB OUPUT:

1 x 65W USB-C PD IN/OUT

- Input: 5~20V, 3.25A/65W Max.
- Output: 5/9/12/15/20V, 3.25A/65W Max.

1 x 30W USB-C PD, 5/9/12V, 3A/30W Max.

2 x USB-A QC3.0, 5/9/12V, 3A/18W Max.

2 x USB-A, 5V/2.4A Max.

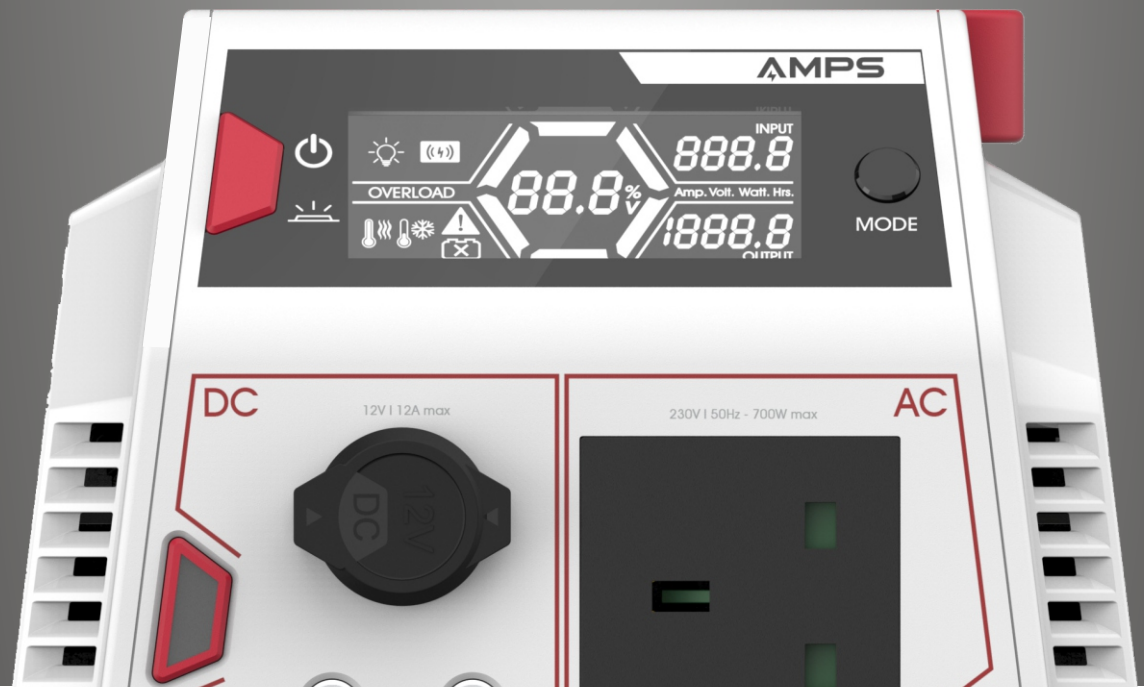
Dimensions and weight

305mm Length x 185mm Width x 202mm Height

Weight: 7.3kg

Part Number: **L600**

- LCD screen with Backlight
- Display: Input V/P / Output V/P / Battery State of Charge / System Status
- Backlight / Display selection button
- LED charging indicator



Fridges



50L
12V | 24V 60W
LG Compressor
2 Compartments (Fridge or Freezer) w/ adjustable temperatures
Door hinge can be adjusted on install
Bluetooth w/ App
532mm H x 380mm W x 494mm D

Available in black or silver/grey

F50

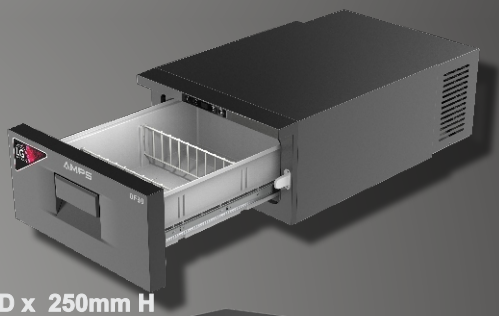


F50S



Portable Dual Compartment
Robust build w/ wheel
Comes with battery 173Wh
55L - capacity
Adjustable temperatures

FP55



30L Drawer Fridge
12V | 24V Fridge
LG Compressor
Bluetooth w/ App
440mm W x 698mm D x 250mm H



DF30



90L
12V | 24V 120W
LG Compressor
2 Compartments (Fridge or Freezer) w/ adjustable temperatures
Door hinge can be adjusted on install
Bluetooth w/ App
418mm W x 975mm H x 500mm D

Available in black or silver/grey

F90







AC7000





7000BTU | R290 refrigerant | 370 x 325 x 860mm



Grid-Tie

6kW Inverter Charger



48V 6000W Grid Tie Inverter / Charger Hybrid 9000W solar

Here we have a 48V (40-60VDC) Grid Tied Inverter/Charger. Designed to harmonise with the grid to provide power in domestic or commercial environments. This can be used as a regular inverter / charger for powering 6kW of 230V loads from a ~48V battery. Or, it can be used to provide 6kW of grid power to your ring main. It can run from lithium or lead acid batteries (40V-60VDC). Solar panels can be installed (up to 550V) and provide up 9kW of power. It is also equipped with a generator feed for backup.

The GT486000 is one of the most efficient 48V inverters on the market.

General specs are as follows:

- **Power: 6000W inverter (DC to AC)**
- **40-60VDC**
- **230VAC Pure Sine Wave**
- **IP66 rating**
- **max efficiency 98%**
- **PV input power up to 550VDC - 9kW**
- **WiFi and APP**
- **Parallel capable**

SKU	Inverter Power	Solar + Inverter Power	Battery	Dimensions (mm)	Weight
GT486000	6000W	9000W	48V	485 W x 527 H x 205 D	24kg

Bilge Pumps


AMPS
LOW PROFILE BILGE PUMP
MODEL: BP12A
800GPH | 3028LPH
100PSI
12V 8A
ISO9001

Bilge Pumps

SKU	Power	Operation	Flow Rate	Head	Weight
PB12M	12V 4.2A	Manual	1100 gph | 4100 LPH	4.0m | 13ft	0.39kg
PB24M	24V 3.0A	Manual	1100 gph | 4100 LPH	4.0m | 13ft	0.39kg
PB12T	12V 4.2A	Timer	1100 gph | 4100 LPH	4.0m | 13ft	0.39kg
PB24T	24V 3.0A	Timer	1100 gph | 4100 LPH	4.0m | 13ft	0.39kg
PB12S	12V 4.2A	Sense | Auto	1100 gph | 4100 LPH	4.0m | 13ft	0.39kg
PB24S	24V 3.0A	Sense | Auto	1100 gph | 4100 LPH	4.0m | 13ft	0.39kg



PBFS1 - Float Switch 1



PBFS2 - Float Switch 2



SWITCH



PRODUCT SPECIFICATIONS

230VAC to 12V | 24V 2 output battery charger - BC Charger Series

Charger Type	190VAC - 260VAC input 50/60Hz - 5 stage battery charger
Battery Charger Efficiency	94%
Nominal Voltage	12V, 24V and 48V models - live output | linear
Nominal Current	10A, 20A and 40A models | with half power mode and 8 hours night mode
Battery Chemistries	Lithium, Lead Acid and AGM
Number of outputs	2
Pre-wired AC	Yes, 2m with UK mains plug - for ease of install
Dimensions and Weight	20.1cm x 11.2xm x 7.3cm at ~2Kg
Operating Temperature	Charge - 10'C to 50'C
Approvals	EN55014, EN61000, EN60335, EN62233
No load standby AC current	<120mA
Max load AC current	2-4A
Protections	Short Circuit protections, self-recoverable Over temperature protection, 3 steps decrease of output power, self-recoverable Battery over temperature protection, with battery remote sensor, self-recoverable Reverse Polarity (fused)

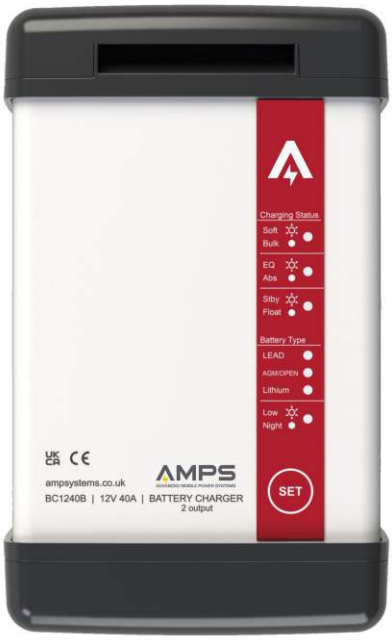




Temperature sensor	Comes in box - temperature compensation + 0DegC trip on lithium
Warranty	5 years



Appearance
BC Series





Part No	Voltage (V)	Current (A)	Bluetooth	Outputs
BC1220	12V	20A	no	2
BC1220B	12V	20A	yes	2
BC1240	12V	40A	no	2
BC1240B	12V	40A	yes	2
BC2420B	24V	20A	yes	2
BC4810	48V	10A	no	2

Bluetooth
BC Series Charger

Information regarding the Bluetooth APP can be found here: Scan the QR code

PRODUCT SPECIFICATIONS **AMPS Battery Monitor - BM1**

BM1

The Battery Monitor - 1 (BM1) is AMPS' high precision power management device, intended for use in the DC negative. Installed correctly, the shunt will accurately measure discharge and charge at any given time.

Bluetooth and Lithium Compatible

The BM1, as a modern battery solution, is suitable for all battery types (Lead acid, Lithium, etc) and is able to be read both from a live Bluetooth feed as well as from the remote fitted to the unit.

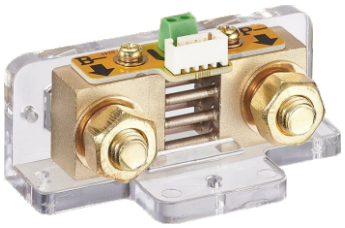
Features and Capabilities

The BM1 monitors your battery bank and DC circuits, giving you accurate information on :

- Remaining battery capacity (measured both as Ampere Hours and as a percentage reading)
- Battery bank voltage (in Volts, of course)
- Current passing the shunt at any given time (in Amperes)
- The App will also provide history and data-logging for your system

Contents

The BM1 comes with :
1x Bluetooth compatible remote display
1x BM1 shunt (with mounting bracket)
1x Shunt power cable (1m)
1x Remote cable (1m by default, 3m and 6m options available)

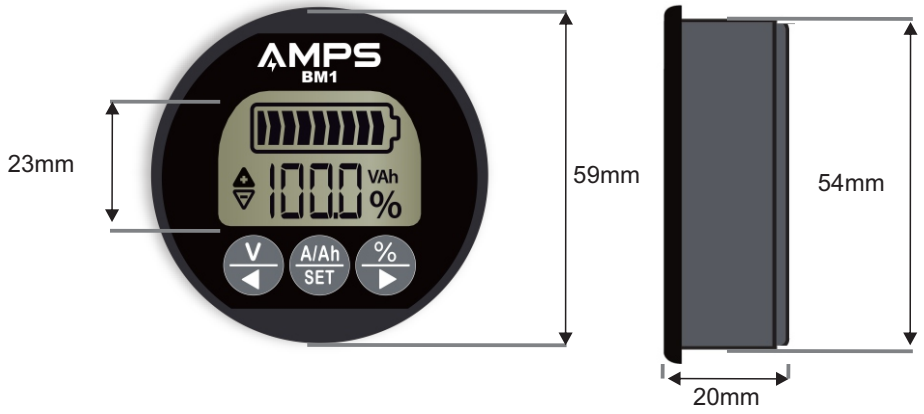




Specifications

Amperage Rating	Up to 500A
BM1 Bolt Size	8mm / M8
Working Voltage Range	8V-80V
Wattage consumption	0.144W (12mA at 12V)
Standby consumption	0.006W (0.5mA at 12V)
Quiescent / Sleep current	0.0006W (50uA at 12V)
Capacity accuracy	*+/-0.5%*
Voltage accuracy	*+/-0.5%*
Current accuracy	*+/-0.5%*
Capacity Ah setting	*up to 999Ah | 9999Ah (app)*
Weight	*390.0g (Shunt)*

Images and Dimensions





Solar Panel Semi Flexible

SKU	Description	Dimensions (mm)	Weight (kg)
SP100	100 watt semi flex panel		



Collapsible Solar Panel

SKU	Description	Dimensions (mm)	Weight (kg)
CSP100	Collapsible 100W solar panel	900 X 525 X 25	7
CSP200	Collapsible 200W solar panel	900 X 1050 X 25	20
CSP400	Collapsible 400W solar panel	900 X 2360 X 22.5	15.5
SP100	100W Semi-Flex ETFE mono	950 X 550 X 25	2

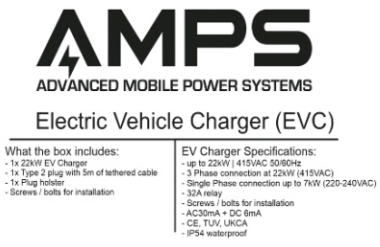


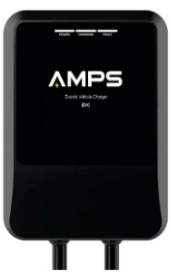
EV Charger

SKU	Description	Dimensions (mm)	Weight (kg)
EVC	22kW Type 2 Electric Vehicle		5.5









EV Charger Plugs and sockets

SKU	Description	Dimensions (mm)	Weight (kg)
T2F	Female type 2 connector		



SKU	Description	Dimensions (mm)	Weight (kg)
T2M	Male type 2 ev connector		



ADVANCED MOBILE POWER SYSTEMS
Unit 8 Wassage Way
Hampton Lovett Industrial Estate
Droitwich
Worcestershire
WR9 0NX
ampsystems.co.uk
info@sterling-power.com
01905 771771