12 / 24V Accessories

Power Plugs and Sockets
Cigarette Lighter Plugs
Cigarette Lighter Sockets
Other Plugs & Sockets

12V-24V Accessories
Battery Gauges
Marine Grade USB Charger Sockets
The 1-1/8" Sockets and Accessories Family
CurvMount Handle Bar Mount Sockets
CurvMount Surface Mount Sockets
Flush Mount Panel for 1-1/8" Sockets

Automotive Electrical Accessories
Car Battery Clips Accessories

Cigarette Lighter Plugs

Normal Cigarette Lighter Plugs
with AGC/JMC Fuses

Bakelite Cigarette Lighter Plug with Fuse
AP101

- Replaceable AGC/JMC Fuses
- Heat-resistant Bakelite body
- Heavy-duty (20A) model available
- Designed for Size A (φ21.0mm) Sockets
- Amp Rating : Standard Model: 5A / Enhanced Model: 20A
- $C\epsilon$

Illuminated Cigarette Lighter Plug with Fuse
AP109

- Replaceable AGC/JMC Fuses
- Illuminated shielding
- Heavy-duty (20A) model available
- Designed for both Size A (φ 21.0mm) & Size B (φ22.0mm) Sockets
- Amp Rating : Standard Model: 5A / Enhanced Model: 20A
- $C\epsilon$

### Bakelite Cigarette Lighter Plug with Fuse
AP110

- Replaceable AGC/JMC Fuses
- Heat-resistant Bakelite body
- Heavy-duty (20A) model available
- Designed for both Size A (φ 21.0mm) & Size B (φ22.0mm) Sockets
- Amp Rating : Standard Model: 5A / Enhanced Model: 20A
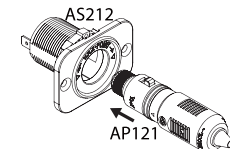- $C\epsilon$

Cigarette Lighter Plug with Fuse
AP113

- Replaceable AGC Fuses
- Designed for both Size A (φ 21.0mm) & Size B (φ22.0mm) Sockets
- Amp Rating : 10A
- $C\epsilon$

### Bendable Car Cigarette Plug with Switch and Fuse
AP120

PATENTED TW
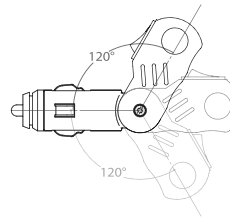
- Replaceable AGC/JMC Fuses
- Bendable with multiple angle positions (±60°)
- Built-in On-Off Switch
- LED power indicator
- Latching collar that latches onto retainers in cigarette lighter sockets
- Designed for both Size A (φ 21.0mm) & Size B (φ22.0mm) Sockets
- Amp Rating : 10A
- Patented : TW No. P-053789
- $C\epsilon$

120°
120°

Marine Grade Locking Cigarette Lighter Plug with Fuse
AP121A (with LED) / AP121B (without LED)

- Replaceable AGC Fuses
- Sturdy, solid design and assembly
- Flame retardant Nylon (glass fiber reinforced) body
- Twist-and-Lock capability when used with AS212
- Rubber ring for better stability and sealing when plugged
- LED power indicator (AP121A only) Designed for both Size A (φ
- 21.0mm) & Size B (φ22.0mm) Sockets Amp Rating : Standard Model:
- 5A / Enhanced Model: 20A
- $C\epsilon$

AS212
AP121

① *Insert AP121 with the negative termial on the top*
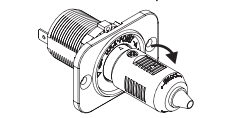
② *Twist AP121 by 90° until locked. Twist again to unlock*

Deluxe Cigarette Lighter Plug with LED (Fused)
AP112A (with LED) / AP112B (without LED)

- Replaceable AGC/JMC Fuses
- Sturdy, solid design and assembly
- Robust Nylon (glass fiber reinforced) body
- LED power indicator (AP112A only) Designed for both Size A (φ
- 21.0mm) & Size B (φ22.0mm) Sockets Amp Rating : Standard Model:
- 5A / Enhanced Model: 20A
- $C\epsilon$

Deluxe Cigarette Lighter Plug with LED (Fused)
AP111A (with LED) / AP111B (without LED)

Best Seller

- Replaceable AGC/JMC Fuses
- Sturdy, solid design and assembly
- LED power indicator (AP111A only)
- Heavy-duty (20A) model available
- Best Seller
- Designed for both Size A (φ21.0mm) & Size B (φ22.0mm) Sockets
- Amp Rating : See below
- C€

Coding Guide for AP111 Customizations:
As our No.1 seller in AP series, AP111 can be customized to meet every customer's requirement, please use the following table to pick one AP111 that fits your requirement most :

AP111☐ - ☐ - ☐☐A
(1)   (2)   (3)

(1) LED indicator	(2) Body Material	(3) Amp Rating
A with LED	A ABS	- 5 Amps
B without LED	N Nylon, Glass Fiber reinforced	10A 10 Amps
	P PBT, Glass Fiber reinforced (UL94V-0)	15A 15 Amps
		20A 20 Amps

| Best Selling Models				
Product ID	Body Material	Terminals Finish	Amp Rating	Note
AP111A-A	ABS	Nickel plated	5A	Standard Model with LED
AP111B-A	ABS	Nickel plated	5A	Standard Model without LED
AP111A-N-10A	Nylon, Glass Fiber reinforced	Nickel plated	10A	Robust body material with LED
AP111A-N-20A	Nylon, Glass Fiber reinforced	Gold plated	20A	Heavy-duty (20A) model with LED
AP111A-P-20A	PBT, Glass Fiber reinforced (UL94V-0)	Gold plated	20A	Heavy-duty 20A with UL94V-0 flame retardant body material and LED

AP111B
Pre-wired AP111*

AP111A-N-20A
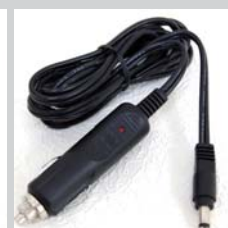
AP111A-2S1-12FT   AP111A-1P3-18#-6FT
* AP111 can also be sold pre-wired, see page 54 for available options

with GMA Fuses

Mini Size Cigarette Lighter Plug with Fuse
AP102

- Replaceable GMA Fuse
- Compact size
- Designed for both Size A (φ 21.0mm) & Size B (φ22.0mm) Sockets
- Amp Rating : 10A
- C€

Mini Size Cigarette Lighter Plug to DC Jack Adapter
AP105

- Replaceable GMA Fuse
- Output : DC Jack 3.5 x 1.3mm
- Compact size
- Designed for Size A (φ21.0mm) Sockets
- Amp Rating : 5A
- C€

Cigarette Lighter Plug with Fuse
AP119

- Replaceable GMA Fuses
- Heat-resistant Bakelite head
- Designed for both Size A (φ 21.0mm) &Size B (φ22.0mm) Sockets
- Amp Rating: 5A
- C€

Cigarette Lighter Plug with LED Switch (Fused)
AP130

- Replaceable GMA Fuses
- Illuminated push-button switch
- Wire leads from the side
- Designed for Size A (φ21.0mm) Sockets
- Amp Rating : 3A
- C€

Specifications may subject to change, Go to YISMarine.com for the latest product information

Unfused

Bakelite Cigarette Lighter Plug
AP103

- Unfused
- Heat-resistant Bakelite body
- Designed for both Size A (φ 21.0mm) & Size B (φ22.0mm) Sockets
- Amp Rating : 10A
- CE

Cigarette Lighter Plug
AP108

- Unfused
- Heat-resistant Bakelite head
- Designed for both Size A (φ 21.0mm) & Size B (φ22.0mm) Sockets
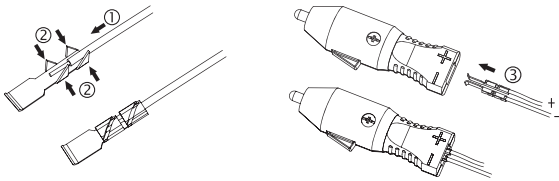- Amp Rating : 10A
- CE

Cigarette Lighter Plug with Quick Insert-and-Lock Terminals
AP106

- Unfused
- "Insert-and-Lock" terminals allowing quick wire assembly (as illustrated)
- Designed for Size A (φ21.0mm) Sockets
- Amp Rating : 10A
- CE

Assembly Illustration of Quick Terminals :

Cigarette Lighter Socket Splitters

Three Way Cigarette Lighter Sockets Splitter with Fuse
AP116

- 1 x Cig. Lighter Socket with retainer and 2 x DC Outlets
- 3 feet extension cord
- LED power indicator
- Replaceable AGC/JMC Fuses
- Plug designed for both Size A (φ21.0mm) & Size B (φ 22.0mm) Sockets
- Wall-mount fixing panel included
- Amp Rating : 10A
- CE

Dual Port Cigarette Lighter Sockets Splitter with Fuse
AP117

- Replaceable AGC Fuses
- 1 to 2 Cigarette Socket Adapter
- LED power indicator
- Plug designed for both Size A (φ21.0mm) & Size B (φ 22.0mm) Sockets
- Amp Rating : 10A
- CE

Three Way Cigarette Lighter Sockets Splitter (Unfused)
AP118

- 1 x Cig. Lighter Socket and 2 x DC Outlets
- 3 feet extension cord
- LED power indicator
- Plug designed for both Size A (φ21.0mm) & Size B (φ 22.0mm) Sockets
- Wall-mount fixing panel included
- Amp Rating : 10A
- CE

Specialty Cigarette Lighter Plugs

Cigarette Lighter Plug Transformer (12V to 8V / 9V)
AP104A (DC 12V to 8V) / AP104B (DC12V to 9V)

- Replaceable AGC/JMC Fuses
- Converts DC 12V to 8V (AP104A) or DC 12V to 9V (AP104B)
- Output : DC Jack 3.5 x 1.3mm
- Designed for both Size A -(φ 21.0mm) & Size B (φ22.0mm) Sockets
- Amp Rating : 1A
- CE

Cigarette Lighter USB Charger
AP133

- DC 5V USB Charger
- LED power indicator
- Designed for both Size A (φ21.0mm) & Size B (φ 22.0mm) Sockets
- Amp Rating : AP133-1A : 1A
           AP133-2A : 2A
- CE

Wiring for AP Series

Most of our AP products can be sold pre-wired, please refer to the following coding table for ordering details:

Coding Guide for pre-wired AP Cigarette Lighter Plugs

AP111□□ □□ - □□# - □□"
       (1)   (2)   (3)   (4)

(1) Cord Types	(2) Lead Process	(3) Wire Gauge	(4) Wire Length
1 Straight Cord – 2C	**C** Cut	□□# AWG #	□□" Length in inches
2 Coil Cord (Ribbon)	**T** Tinned/Stripped	□□mm Φ in mm	□□cm Length in cm
3 Round Cord	**Q** 0.250"Female Quick	(for cord type 3 & 4 only)	□□' Length in feet
(choose one below)	Connect Terminal		□□m Length in meters
3A Double Conductors	**P** DC Plug (180°)		
3B Single Shielded	(choose one below)		
4 Coil Cord/ Round	P1 2.1 x 5.5mm		
(choose one below)	P2 2.5 x 5.5mm		
4A Double Conductors	P3 1.3 x 3.5mm		
4B Single Shielded	P4 3 x 6.3mm		
5 Electronic Cord	**R** DC Plug (90°)		
(choose one below)	(choose one below)		
5A UL1015	R1 2.1 x 5.5mm		
5B UL1007	R2 2.5 x 5.5mm		
6 Internal Hook-up	R3 1.3 x 3.5mm		
(2 x 0.75mm)	R4 3 x 6.3mm		
	S Cigarette Lighter Socket		
	(choose one below)		
	S1 AS201(Assembled)		
	S2 AS208(Molded)		
	J DC Jack (choose one below)		
	J1 2.1 x 5.5mm		
	J2 2.5 x 5.5mm		

Cord Types

| Straight Cord – 2C | Coil Cord | Round Cord | Coil Cord/ Round | Electronic Cord | Internal Hook-up |

Lead Process

Cut | Tinned/Stripped | 0.250"Female Quick Connect Terminal | DC Plug (180°) | DC Plug (90°) | Cigarette Lighter Sockets AS201 AS208

DC Jack

Cigarette Lighter Sockets

Normal Cigarette Lighter Sockets

Panel Mount Cigarette Lighter Socket and Retainer
AS202

- Metal case withstands high temperature
- Ceramic base with retaining spring
- Various customization options available (see below)
- Panel mount (screw type)
- Amp Rating : 20A

Coding Guide for AS202 with Accessories

AS202 comes with a variety of terminal configurations and accessories , please use the following table to pick one AS202 that fits your requirement most :

AS202☐ - ☐ - ☐☐
(1)   (2)   (3) (4)

(1) Terminals	(2) Mounting Panels
B Bullet Terminal (Φ=4mm)	A Mounting Panel Type A
R Screw Nuts for Ring Terminals	B Mounting Panel Type B
Q Quick Connect Terminal	C Mounting Panel Type C
S Solder Terminal	D Mounting Panel Type D
	E Mounting Panel Type E

Terminals

Bullet Terminal (Φ=4) — Screw Nuts for Ring Terminal — 0.250" Quick Connect Terminal — Solder Terminal

Accessories

AS-RC1
Cover cap for AS202 and AS204

AS-IR1
Illumination Ring for AS202

Mounting Panels

Type A
L-shaped

Type B
Small plate

Type C
Small plate/half mount

Type D
Large panel

Type E
Large panel/half mount

Panel Mount Cigarette Lighter Socket and Retainer
AS204

- Metal case withstands high temperature
- Ceramic base with retaining spring
- Optional Rubber Cap (AS-RC1) available
- Panel mount (screw type)
- Amp Rating : 20A

In-Line Cigarette Lighter Socket
AS201

- DC Power Outlet
- In-Line socket with solder terminals
- Optional cover cap available
- Amp Rating : 10A
- For Wire Gauge : #16-#22 AWG

In-Line Cigarette Lighter Socket
AS208

- DC Power Outlet
- Molded wiring for better sealing
- Amp Rating : 10A
- For Wire Gauge : #18-#22 AWG

Panel Mount Cigarette Lighter Socket
AS217

- Economical DC Power Outlet
- Push-in panel mounting
- Anti-splash cap
- Bullet Terminal (Φ=4mm)
- Amp Rating : 10A

Marine Grade Cigarette Lighter Power Socket
AS212

- DC Power Outlet
- Panel mount and anti-splash cap available (see below)
- Flame retardant Nylon (glass fiber reinforced) enclosure
- Twist-and-Lock capability when used with AP121 (page 51)
- 0.250" Quick Connect Terminals
- Illuminated bottom plate for easy recognition at night (AS212L only)
- Rating : DC 9-36V 20A

Coding Guide for AS212 with Accessories

As our No.1 seller in AS series, AS212 comes with a variety of accessories that meet every customer's requirement, please use the following table to pick one AS212 that fits your requirement most:

AS212□□ - □
 (1) (2)   (3)

(1) Bottom Plate	(2) Mounting & Fixing Nuts		(3) Cap Labels
Standard	A Flat Panel	Screw Nut	A Type A : Marine 12V
L Illuminated	B Flat Panel	Quick Nut	B Type B : 12V
K Half-threaded Body	C L-Shaped Panel	Screw Nut	
M Half-threaded & Illuminated	D L-Shaped Panel	Quick Nut	
	E -	Screw Nut	
	F -	Quick Nut	

AS212 with illuminated bottom plate

Mounting Panels

AS-PL-1
Flat Panel
Flat panel for flush mount

AS-PL-2
L-shaped panel
Mounting Panel for 90° installation

Fixing Nuts

AS-NT-1
Screw Nut
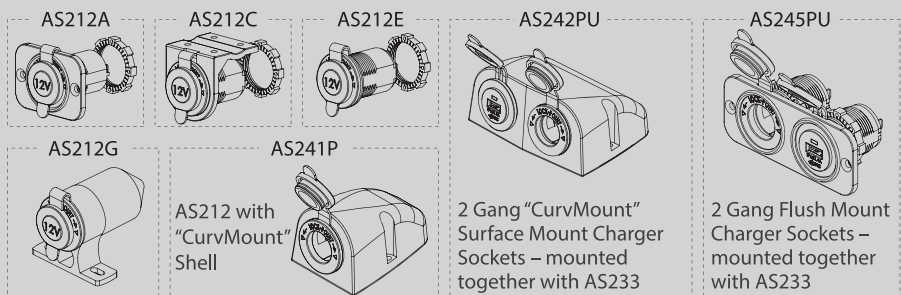
AS-NT-2
Quick Nut
Fixing AS212 quickly

Mounting Options

AS212 can be mounted with several options (flush or surface mount) and accessories. See below for possible options.

AS212A AS212C AS212E AS242PU AS245PU

AS212G AS241P

AS212 with "CurvMount" Shell

2 Gang "CurvMount" Surface Mount Charger Sockets – mounted together with AS233

2 Gang Flush Mount Charger Sockets – mounted together with AS233

※ See page 66 for further information about the AS24X CurvMount Series.

Surface Mount Marine Grade Cigarette Lighter Socket
AS212G

- Surface-mount allowing easy installation on any surface (no hole cut-out needed)
- Equipped with the best-selling AS212
- Pre-wired with 6" #16 AWG wire
- Dust and water-resistant cap
- Surface-mount mounting screws included
- UV stabilized PVC boot for better protection against water and dust from the bottom

Cigarette Lighter Socket with Panel and Rubber Cap
AS215

- Economical DC Power Outlet
- Panel and rubber cap included
- 0.250" Quick Connect Terminals
- Amp Rating : 15A

Other Plugs & Sockets

DIN Plugs & Sockets

Universal DIN / Cigarette Lighter Plug
AP124

- Replaceable GBC Fuses
- Bayonet-catch DIN to Cigarette Lighter Plug adapter
- Designed for both Size A (φ 21.0mm) & Size B (φ22.0mm) Cigarette Sockets
- Amp Rating : 16A

Panel Mount DIN Socket with Anti-splash Cap
AS213

- Robust Nylon (glass fiber reinforced) enclosure
- Anti-splash cap
- Panel mount with fixing screw nuts
- 0.250" Quick Connect Terminals
- Amp Rating : 15A

In-Line DIN Socket with Anti-splash Cap
AS214

- Flame retardant Nylon (glass fiber reinforced) enclosure
- Anti-splash cap
- 0.250" Quick Connect Terminals
- Amp Rating : 15A

DIN Plugs & Sockets

DIN sockets, also known as Hella sockets , BMW sockets , Triumph sockets and Powerlet sockets , are connectors that are more suited to motorcycle use for its compact size , robust design and more secure and reliable connection than cigarette lighter sockets .

1-1/8" DIN/Merit Socket
AS216

- Standardized 1-1/8" cut-out (see page 64 for mounting accessories)
- Flame retardant Nylon (glass fiber reinforced) enclosure
- Water-proof PVC Cap (IP66)
- Panel mount with fixing screw nuts
- 0.250" Quick Connect Terminals
- Amp Rating : 15A

Deluxe Panel Mount DIN Socket with Anti-splash Cap
AS210

- Robust, elegant anodized aluminum body
- Spring-loaded dust-proof, anti-splash cap
- Panel mount with fixing screw nuts
- 0.250" Quick Connect Terminals
- Amp Rating : 15A

Engel Plug & Socket

1-1/8" Engel Socket
AS218

- Standardized 1-1/8" cut-out (see page 64 for mounting accessories)
- Designed for Engel type sockets
- Water-proof PVC Cap (IP66)
- Flame retardant Nylon (glass fiber reinforced) enclosure
- 0.250" Quick Connect Terminal
- LED indication for easy identification at night
- Rating: DC 12V 15A / DC 24V 7.5A

Front View

Engel Plug
AP122

- Securing shroud that screws into Engel Type Sockets
- Easy to assemble solder-free screw-terminals for cable connection
- Rating DC 0-36V 15A

12V-24V Accessories

Battery Gauges

SP-BGX Series are compact size, self-powered DC battery gauges. The patented see-through uni-body housing leaves no opening in the front, allowing low profile outlook and excellent protection against dust, moisture, and vibration. The series includes a voltmeter, an ammeter and a voltage / current dual meter and are available in either wire output or .250" quick terminals (with suffix "T"). These battery gauges are made for either standard 1-1/8" cut-out with several mounting accessories (see page 64) or for popular Contura style switch mounting holes.

IP67: protection against temporary water immersion

SP-BG1 *SP-BG1T*

Two Output Options: Wire & Quick Terminals

OFF *ON*

Patented see-through display design

Digital Voltmeter
SP-BG1 (with wire output) / SP-BG1T (with Quick Connector Terminals)
Digital Voltmeter – Switch Mount
SP-BG4
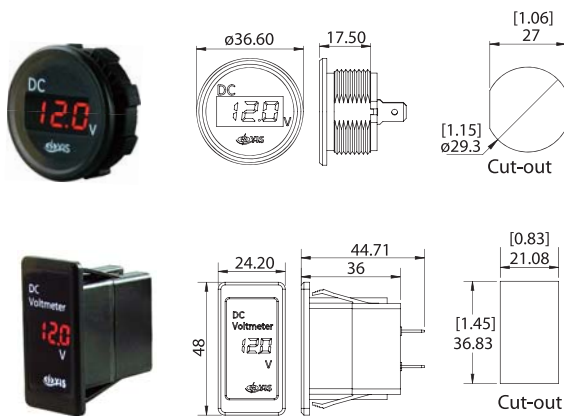
ø36.60 17.50 [1.06] 27
[1.15] ø29.3 Cut-out

24.20 44.71 36 [0.83] 21.08
48 [1.45] 36.83
Cut-out

Features

- Compact Size with 3 digits LED display
- Self-powered from measuring DC voltage
- Floating decimal point for better resolution below 10V
- Completely sealed design with no opening (IP67)
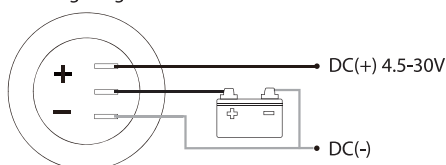- Reversed polarity input protection

Specifications

- Voltage Range | DC 2.50-30V
- Current Consumption | <30mA
- Sampling Rate | 5 readings/s
- Resolution | 0.01V (<10V) / 0.1V (>10V)
- Note | C€ IP67 Patented

Digital Voltmeter up to 100V
SP-BG1-100V

ø36.60 17.50

[1.06] 27
Wiring Diagram
[1.15] ø29.3 Cut-out
DC(+) 4.5-30V
DC(-)
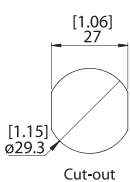
Features

- Compact Size with 3 digits LED display
- Measuring large voltage range from 0 - 100V
- Completely sealed design with no opening (IP67)
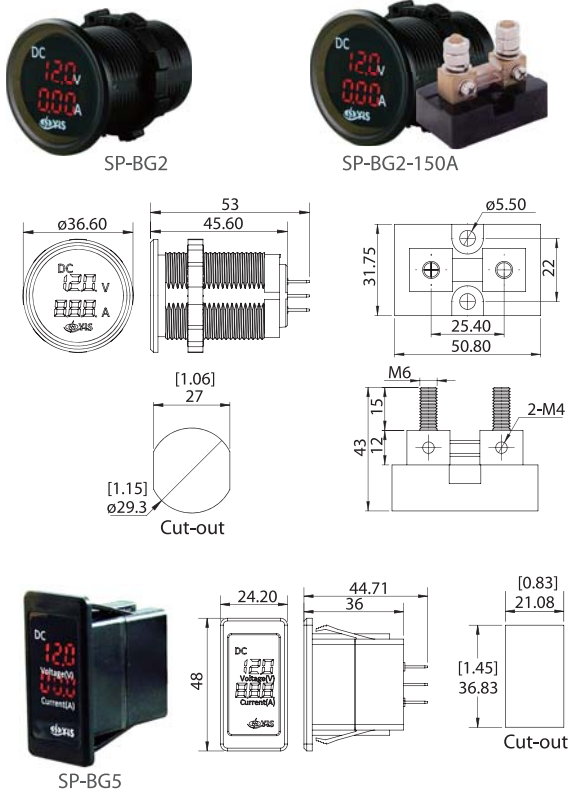- Reversed polarity input protection

Specifications

- Measure Voltage Range | DC 0-100V
- Powering Voltage Range | DC 4.5-30V
- Current Consumption | <30mA
- Sampling Rate | 5 readings/s
- Resolution | 0.1V
- Note | C€ IP67 Patented

Digital Voltage & Current Dual-meter
SP-BG2 / SP-BG2-150A
Digital Voltage & Current Dual-meter – Switch Mount
SP-BG5

SP-BG2

SP-BG2-150A

ø36.60

53
45.60

ø5.50

31.75

22

25.40
50.80

[1.06]
27

M6

15
43 12

2-M4

[1.15]
ø29.3

Cut-out

24.20

44.71
36

[0.83]
21.08

48

[1.45]
36.83

Cut-out

SP-BG5

Features

■ Compact Voltage & Current 2 in 1 meter
■ Digital 3 digits LED displays
■ Self-powered from measuring DC voltage
■ Floating decimal point for better resolution
■ Completely sealed design with no opening (IP67)
■ Reversed polarity input protection

Additional Features for SP-BG2-150A

■ Includes 500 Amp shunt
■ Measuring large amperage range from 0 – 150A

Specifications

SP-BG2 / SP-BG5

■ Voltage Range │ DC 4.5-30V
■ Amperage Range │ DC 0-15A
■ Amperage Tolerance │ > 10A: ±0.5A, <10A ±0.17A
■ Note │ C E IP67 Patented

SP-BG2-150A

■ Voltage Range │ DC 4.5-30V
■ Amperage Range │ DC 0-150A
■ Amperage Tolerance │ ±2%
■ Shunt Type │ 50mV
■ Note │ C E IP67 Patented

Digital Ammeter
SP-BG3 / SP-BG3-150A
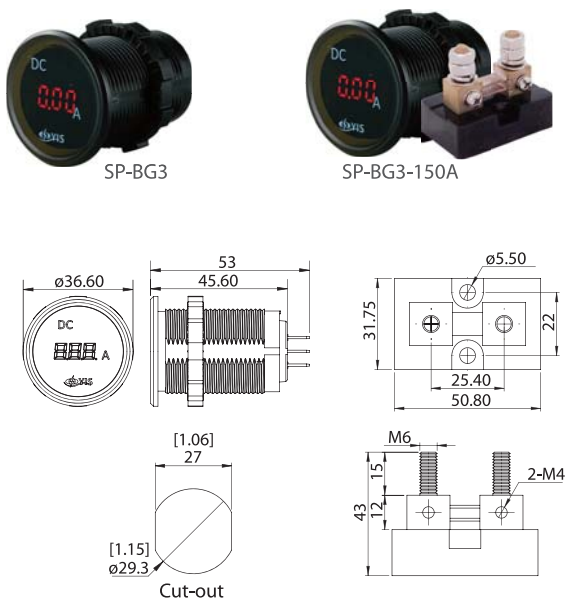
SP-BG3

SP-BG3-150A

ø36.60

53
45.60

ø5.50

31.75

22

25.40
50.80

[1.06]
27

M6

15
43 12

2-M4

[1.15]
ø29.3

Cut-out

Features

■ Compact Size with 3 digits LED display
■ Self-powered from measuring DC voltage
■ Floating decimal point for better resolution
■ Completely sealed design with no opening (IP67)

Additional Features for SP-BG3-150A

■ Includes 500 Amp shunt
■ Measuring large amperage range from 0 – 150A

Specifications

■ Voltage Rating │ DC 4.5-30V
■ Amperage Range │ DC 0-15A
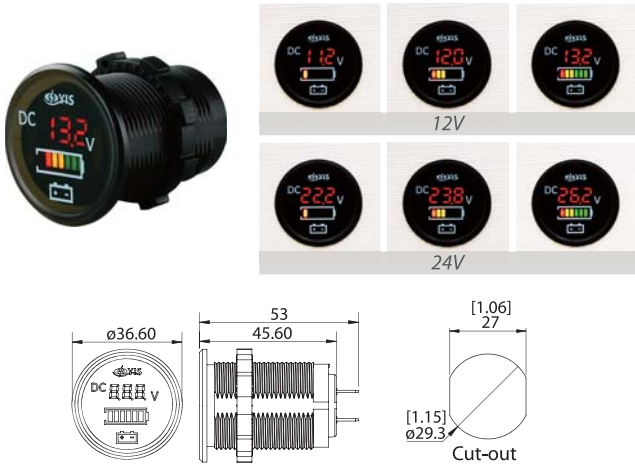■ Amperage Tolerance │ > 10A: ±0.5A, <10A ±0.17A
■ Note │ C E IP67 Patented

SP-BG3-150A

■ Voltage Range │ DC 4.5-30V
■ Amperage Range │ DC 0-150A
■ Amperage Tolerance │ ±2%
■ Shunt Type │ 50mV
■ Note │ C E IP67 Patented

Digital Voltmeter with Battery Level Display
SP-BG6

12V
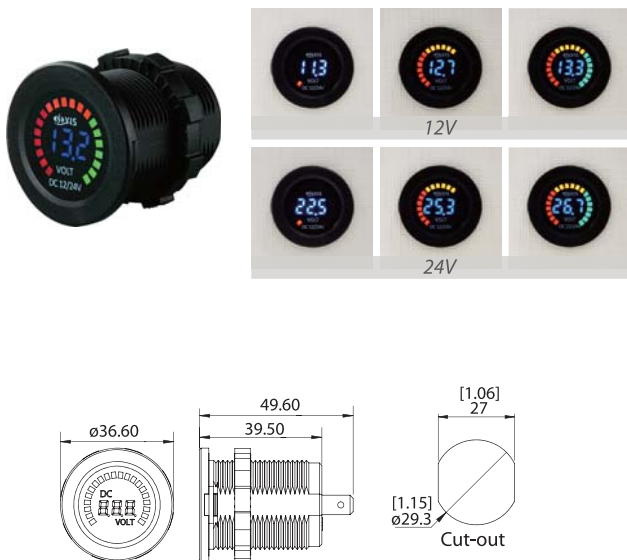
24V

ø36.60

53
45.60

[1.06]
27

[1.15]
ø29.3

Cut-out

Features

■ Compact Size with 3 digital LED display
■ Easily recognizable Battery Status LEDs
■ 12 / 24V systems auto detect (compatible to both systems)
■ Completely sealed with no opening (IP67)
■ Reverse polarity input protection
■ Self-powered from measuring DC voltage

Specifications

■ Voltage Rating │ 5 – 30V (12/24V Auto Detect)
■ Refresh Rate │ 100ms
■ Note │ CE IP67 Patented

Digital Voltmeter with Rainbow Battery Level Display
SP-BG7

12V

24V

ø36.60

49.60
39.50

[1.06]
27

[1.15]
ø29.3

Cut-out

Features

■ Compact Size with 3 digital LED display
■ Easily recognizable Battery Status LEDs
■ 12 / 24V systems auto detect (compatible to both systems)
■ Reverse polarity input protection
■ Self-powered from measuring DC voltage
■ Low-voltage alarm when volt is lower than 11V in 12V mode, 22V in 24V mode
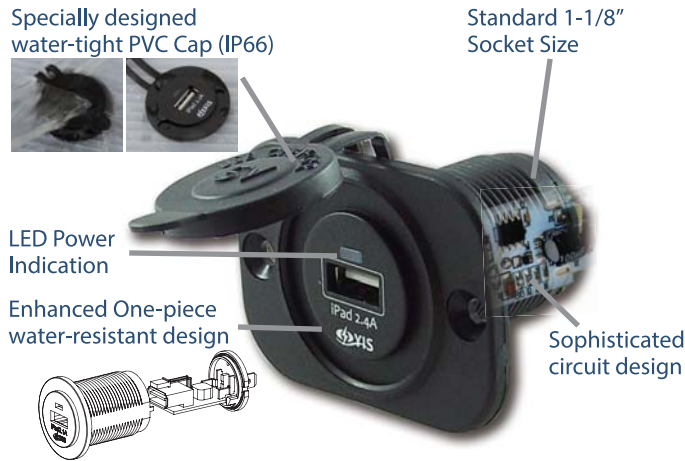
Specifications

■ Voltage Rating │ 7 – 30V (12/24V Auto Detect)
■ Refresh Rate │ 100ms
■ Low Voltage Alarm │ 11.0V (@12V mode) / 22.0V (@24V mode)
■ Note │ CE

Marine Grade USB Charger Sockets

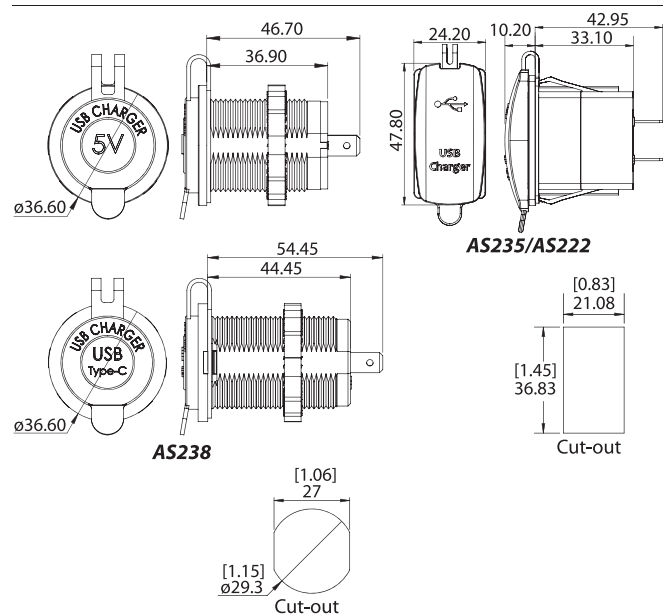📱 iPhone 📱 iPad

 🤖 ANDROID

New Product Best Seller

AS23x series are quality-built, powerful and compact USB Charger sockets for marine or RV applications. Built with sophisticated circuit, these chargers not just allow fast full-speed charging to your latest iPhones/iPads, but also protect your devices with features like overheat, reverse-polarity protection, EMC suppression, and more. Thanks to its specially designed PVC cap and unique uni-body design, this series is IP66 rated and is suitable for Marine and other applications.

Specially designed water-tight PVC Cap (IP66)

Standard 1-1/8" Socket Size

LED Power Indication

Enhanced One-piece water-resistant design

Sophisticated circuit design

iPad 1A
Other Brand

iPad 2.4A
YIS Marine

Full Compatibility- fast charges like AC chargers

Series Features

- Input: DC12/24V (Dual Voltage)
- LED Power Indication
- Short circuit / Overheat protection / Reverse polarity protection
- Enhanced uni-body water-resistant design with unique water-tight cap (IP65 for AS237/AS238, IP66 for others - when sealed)
- Standardized 1-1/8" cut-out (See page 64 for accessories)
- Fits in existing C-7 or Contura style switch mounting holes (AS235)
- Flame retardant Nylon (glass fiber reinforced) enclosure
- CE FC

Product Dimensions

USB CHARGER 5V
ø36.60
46.70
36.90

24.20 10.20 42.95 33.10
47.80

AS235/AS222

USB CHARGER USB Type-C
ø36.60
54.45
44.45

AS238

[0.83] 21.08
[1.45] 36.83
Cut-out

[1.06] 27
[1.15] ø29.3
Cut-out

Charge Compatibility & Fast Charging

As built-in batteries for cellphone become bigger and bigger, charging speed becomes more important for end users. While QC (Quick Charge) protocol has been in the market for years, they are only compatible with Qualcomm based android phones. The newly developed PD (Power Delivery) protocol, however, is compatible with both Android, iPhones, iPads and even laptops, and is deemed as the future of fast charging. PD chargers would typically charge your iPhone or Android phones from 0% to 50% within half hour.

iPhone Xs Charging Speeds (30mins)

Battery Level (%)

| | | |
60% 50% 40% 30% 20% 10%
18% — 5V 1A (5W)
39% — 5V 2.4A (12W)
50% — PD (18W)
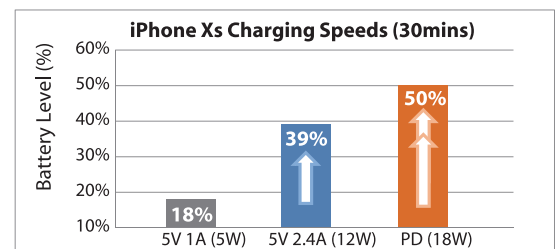
Charging Speed of iPhone Xs by different chargers in 30 mins

Compatibility chart of Fast-Charging technologies

Protocol	Charger Socket	Compatible with	YIS Charger Model
Apple 2.4A Made for 🎵iPod 📱iPhone 📱iPad	USB TYPE A	iPhones / iPads / Most Androids	All models except AS237
Quick Charge (QC)	USB TYPE A USB TYPE C	ONLY Qualcomm based Androids	AS237 AS238
Power Delivery (PD) USB PD	USB TYPE C	iPhone 8 / X or later (2017) iPad Air 3 or later Most Androids since 2018	AS237 AS238

Product Series

PD (Power Delivery) USB Type-C Chargers
AS238 PD 45W USB 1A+1C Charger

USB PD

5V 2.4A

5V~3.00A
9V~3.00A
12V~3.00A
15V~2.25A
20V~2.25A
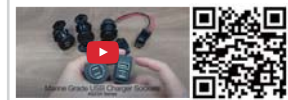
- Type A port - 5V 2.4A compatible with most smartphones in market
- Type C port - PD 45W compatible with latest PD devices in market (iPhones/iPads/Android/Nintendo Switch)
- Fast charges your iPhone / Android phones from 0% to 50% within 30 mins
- Also charges ultrabooks, Macbooks & Macbook Air (after 2018) in 20V mode

* 20V/2.25A mode is only achievable when input > 20V

Patented Color Changing Technology (Amber - Fast Charging)

AS221 PD 18W 1A+1C Charger

5V 2.4A

PD 18W Max

Enhanced Sealing Cap

AS222 Switch Mount PD 18W 1A+1C Charger New

5V 2.4A

PD 18W Max

AS237

USB PD

PD 45W Max

5V~3.00A
9V~3.00A
12V~3.00A
15V~2.25A
20V~2.25A

- Powerful 45W (20V/2.25A) PD charging
- Compatible with latest PD devices in market (iPhones/iPads/Android/Nintendo Switch)
- Fast charges your iPhone / Android phones from 0% to 50% within 30 mins
- Also charges ultrabooks, Macbooks & Macbook Air (after 2018) in 20V mode

* 20V/2.25A mode is only achievable when input > 20V

PD 20V Charging Charges Laptops / Ultrabooks

- Type A port - 5V 2.4A compatible with most smartphones in market
- Type C port - PD 18W compatible with latest PD devices in market (iPhones/iPads/Android/Nintendo Switch)
- Fast charges your iPhone / Android phones from 0% to 50% within 30 mins
- Lower cost alternative to AS238
- Enhanced IP66 water-sealing cap design

- Operating Voltage : 12V / 24V DC power systems (9 to 30VDC)
- Output :
  Type A port - 5V 2.4A compatible with most smartphones in market
  Type C - DC 5V 3A / 9V 2A / 12V 1.5A
  Type A+C - DC 5V 3A (Max)
- Type C port - PD 18W compatible with latest PD devices in market (iPhones/iPads/Android/Nintendo Switch)
- Fast charges your iPhone / Android phones from 0% to 50% within 30 mins

Double Port USB Chargers
AS234 / AS234L / AS234LT / AS235

AS234   AS234L   AS234LT   AS235

iPad iPad iPad iPad iPad

2.1A
1A
AS234   AS234-4.8A

2.4A
2.4A

2.4A
2.4A
AS234L-4.8A

2.4A
2.4A
AS234LT-4.8A

2.4A
2.4A
AS235-4.8A

iPad iPad iPad iPad

AS234-3.1A
- Best Cost-Performance value
- Best-selling item with solid performance and competitive price

AS234(L)-4.8A
- Two port 2.4A large current charger
- Charges 2 iPads at full speed at the same time

AS234LT-4.8A
- Two port 2.4A large current charger
- Touch button to turn off charger when not in use

Backlight LED label effect

Low profile TOUCH ON-OFF button

AS235-4.8A
- Two port 2.4A large current charger
- Charges 2 iPads at full speed

Single Port USB Chargers
AS233

iPad
2.4A

- Single Port 2.4A USB Charger (12W)
- Fast charges iPad /iPhone and Android devices

AS236

iPad
2.4A

- Snap-in Keystone Charger Socket for Decora Style wallplate (RJ-45 Keystone hole)
- Single Port 2.4A USB Charger (12W)
- Fast charges iPad /iPhone and Android devices

Model#	Sockets	Amp. Rating	Power	Note
AS233	USB (A) x 1	2.4A	12W	-
AS236	USB (A) x 1	2.4A	12W	Designed for Keystone Sockets
AS234-3.1A	USB (A) x 2	2.1A+1A	15W	Newly developed low cost model (2019)
AS234-4.8A AS234L-4.8A	USB (A) x 2	2.4A+2.4A	24W	4.8A large current model
AS235-4.8A	USB (A) x 2	2.4A+2.4A	24W	4.8A large current model
AS221 AS222	USB (A) x 1 USB (C) x 1	(A)5V2.4A (C)5V 3A/9V2A/ 12V 1.5A	18W	Power Delivery (PD) 3.0 New USB-C Also charges ultrabook, Macbook & Macbook Air (after 2018)*
AS237	USB (C) x 1	5V 3A/ 9V 3A/ 12V 3A/ 15V 2.25A/ 20V 2.25A (PD 45W Max.)	45W	Power Delivery (PD) 3.0 Also charges ultrabook, Macbook & Macbook Air (after 2018)*
AS238	USB (A) x 1 USB (C) x 1	(A)5V2.4A (C)5V 3A/9V3A/ 12V 3A/ 15V 2.25A/ 20V 2.25A (PD 45W Max.)	45W	Power Delivery (PD) 3.0 USB-C Also charges ultrabook, Macbook & Macbook Air (after 2018)*

*Charging ultrabook, Macbook & Macbook Air (after 2018) requires 20V mode, which is only achieveable when input > 20V

The 1-1/8" Sockets and Accessories Family

[1.06]
27

[1.15]
ø29.3

12V
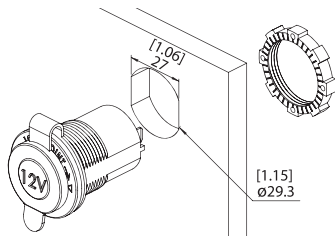
We all love to add a little bit more gadgets to our boats every now and then. That is why YIS Marine keeps introducing new sockets and accessories with standardized mounting dimension (the 1-1/8" system). All of these accessories come with the same threads and design language, and fit in the same panel cut-out, allowing them to fit each other perfectly when mounted together. See this page for coding and ordering guides

Product Codes

Product Code		Model #	Name
P		AS212	Marine Grade Power Outlet (See page 56)
E		AS218	Engel Socket (See 57)
D		AS216	Din/Merit Socket (See page 57)
U		AS233	1 Port USB Charger (See page 63)
V		AS234	High Current 2 Port USB Charger (See page 63)
Y		AS237	PD 45W USB Type C Charger (See page 62)

Product Code		Model #	Name
G		SP-BG1	Battery Gauge (Voltmeter) (See page 58)
M		SP-BG2	2 in 1 Battery Gauge (See page 59)
C		SP-BG3	Digital Current Meter (See page 59)
B		SP-BG6	Battery Level Voltage Meter (See page 60)
R		SP-BG7	Digital Voltmeter with Rainbow Battery Level Display(See page 60)
Z		AS238	PD 45W USB 1A+1C Charger (See page 62)

Mounting Options

Flush Mount	**Flat Panel:** Model # + Suffix "-A" (ex. AS212-A)	**Socket only:** Model #+ Suffix "-E" (ex. AS212-E)	**2 Gang Flat Panel:** AS245 + Product Codes (See page 67)
Surface Mount	**L-Panel:** Model #+ Suffix "-C" (ex. AS212-C)	**Rocket Case:** Model #+ Suffix "-G" (ex. AS212-G)	**1 Gang "CurvMount" Case:** AS241 + Product Code (See page 66)	**2 Gang "CurvMount" Case:** AS242 + Product Codes (See page 66)
Switch Panels	**Curved Panel Series** SP3320 + Prod. Codes (See page 5)		**Wave Panel Series** SP1220 + Prod. Codes (See page 10)

Specifications may subject to change. Go to YISMarine.com for the latest product information

Cigarette Lighter Outlet Extension Box

AS901 2-Way Cigarette Lighter Outlet Box with dual USB & Digital Voltage Meter
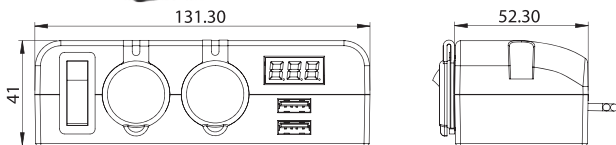AS902 3 Port Cigarette Lighter Outlet Box

AS901

131.30
52.30
41

AS902

131.30
52.30
41
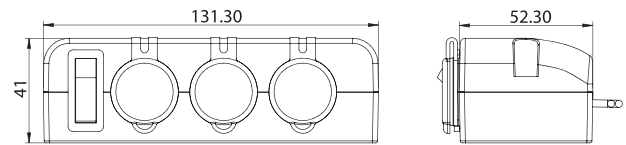
These cigarette lighter outlet box come with 2 or 3 ways standard cig. outlet. Advanced model AS901 comes also with 2 port USB charger and Voltmeter. Both model come with a convenient illuminated rocker switch style circuit breaker, providing not only 16A protection but also an easy way to control multiple devices at the same time. Suitable for 12V and 24V DC power source. Come with 3 feet of wires with circuit break protection. Mounting accessories included.

Switch Type Circuit Breaker (16A)

Specifications

- Rating | DC 12 / 24V 16A
- Cable | 18AWG / Black & Red Wires / Length 3 ft
- Built-in Circuit Breaker Switch (16A)

USB (AS901)

- Input DC 12/24V
- Output: DC 5V 3.1A Max (2.1A + 1A)

Digital Voltage Meter (AS901)

- Voltage Range | DC 2.50~30V
- Current Consumption | <30mA
- Sampling Rate | 5 readings/s
- Resolution | 0.01V (input <10V) / 0.1V (input >10V)

CurvMount Handle Bar Mount Sockets
AS251

75.40
Ø37
18
65
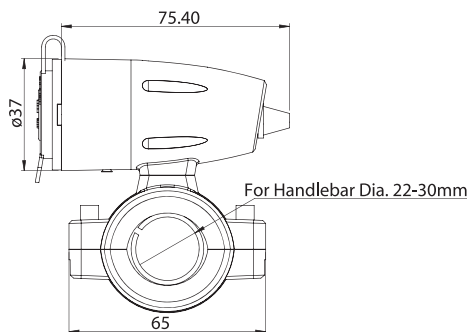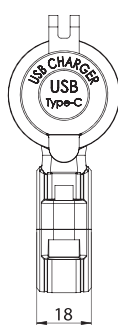
For Handlebar Dia. 22-30mm

Features

- Suitable for all of our 1-1/8" sockets
- Compatible with most motobike handlebar in the market (diameter: 0.8" -1.18")
- UV-stabilized enclosure material
- Water-tight gasket & water-resistant rubber cap included
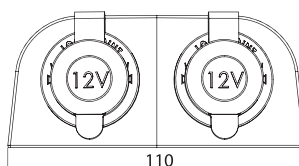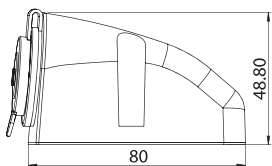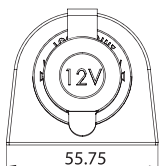- Robust Nylon (glass fiber reinforced) enclosure

Intro Video

CurvMount Surface Mount Sockets

AS241   AS241W   AS242   AS242W
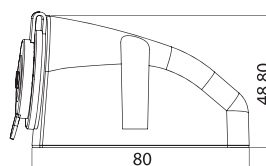
The CurvMount cases are fully covered surface mount cases designed for the 1-1/8" socket family. These cases are made of UV-stabilized plastic with water-tight gaskets and water-resistant caps, making them perfect for use with RV, caravans and yachts. They are easy to install and can be mounted vertically, horizontally or even underneath a dash.

Features

- Surface-mount allowing easy installation on any surface (no hole cut-out needed)
- UV-stabilized enclosure material
- Water-tight gasket & water-resistant rubber cap included
- Robust Nylon (glass fiber reinforced) enclosure

Popular CurvMount Models

Model		Socket
AS241P	12V	Power Outlet
AS241U	5V	1 Port USB Charger
AS241V	5V	2 Port USB Charger
AS241D	M	Din/Merit Socket
AS241E	ENG	Engel Socket
AS241G	DC 12.0 V	Digital Voltmeter
AS241M	DC 12.0 V A	Digital Voltage /Current Dual Meter

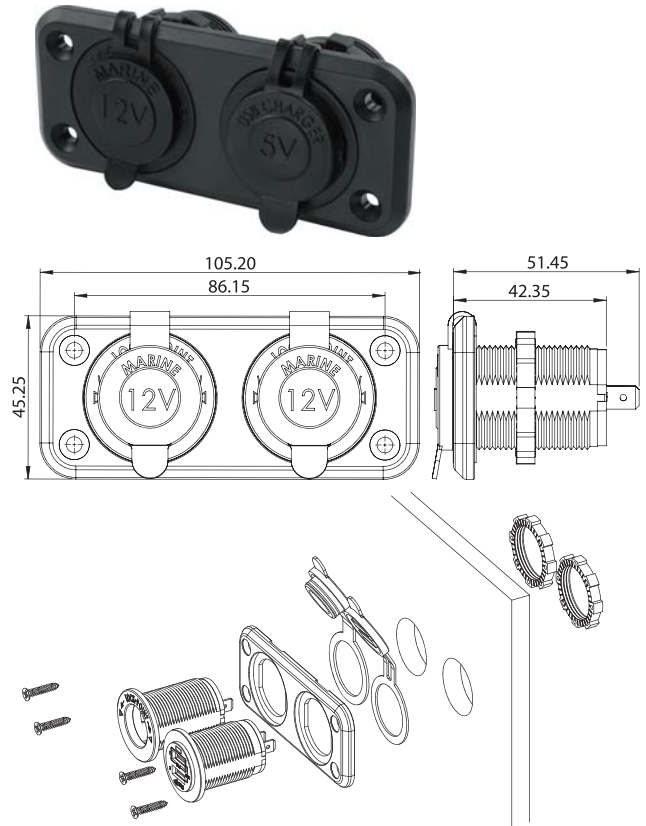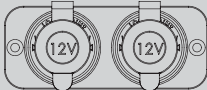| Model		Socket
AS242PP	12V 12V	Power Outlet + Power Outlet
AS242PU	5V 12V	Power Outlet + 1 Port USB Charger
AS242PV	5V 12V	Power Outlet + 2 Port USB Charger
AS242PD	12V M	Power Outlet + Din/Merit Socket
AS242PE	12V ENG	Power Outlet + Engel Socket
AS242VG	5V DC 12.0 V	2 Port USB Charger + Digital Voltmeter
AS242XX		Any Socket from 1-1/8" family + Any Socket from 1-1/8" family

Flush Mount Panel for 1-1/8" Sockets

AS245

105
94
49.50
40.50
42.80
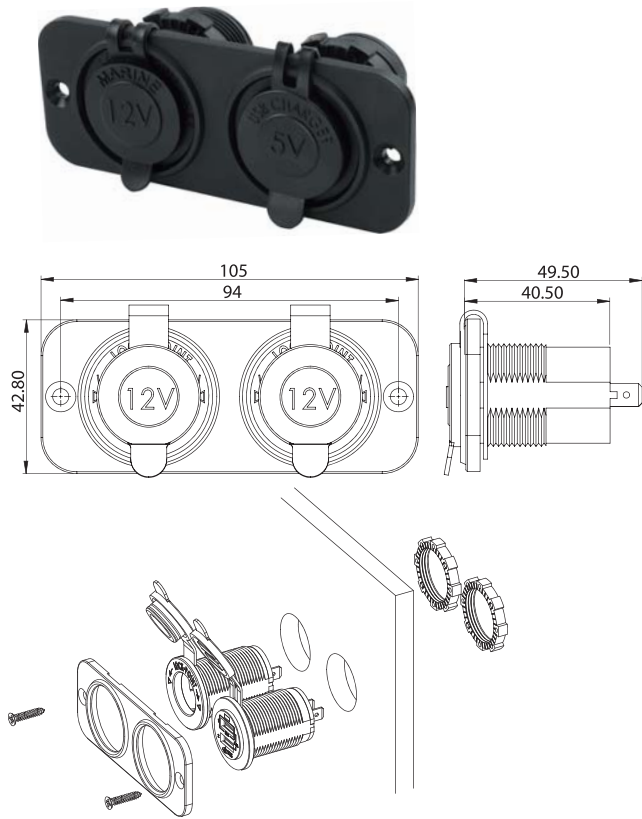
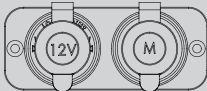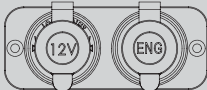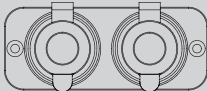*AS245: Decorative Panel mounted in front of sockets*

AS246

105.20
86.15
51.45
42.35
45.25

AS246: Panel mounted in back of sockets

Flush Mount Models

Model	Socket
AS245PP	Power Outlet + Power Outlet
AS245PU	Power Outlet + 1 Port USB Charger
AS245PV	Power Outlet + 2 Port USB Charger
AS245PD	Power Outlet + Din/Merit Socket
AS245PE	Power Outlet + Engel Socket
AS245VG	2 Port USB Charger + Digital Voltmeter
AS245XX	Any Socket from 1-1/8" family + Any Socket from 1-1/8" family

Features

- Flush Mount Panel – available in 1 gang or 2 gang
- UV-stabilized material
- Robust Nylon (glass fiber reinforced) material

**Solar Ventilator for Marine, Caravans and Motorhomes**
SV002

New Product

Features

- Low profile stainless steel solar vent for boats, caravans and motorhomes
- Fully automatic operation powered by solar energy with a solar panel and rechargeable Li-ion battery
- Built-in Battery - no external power or wiring requried
- Switching between intake and exhaust ventilation
- Automatically restarts when sunrise after battery is drained
- Mechanical switch allows booting up automatically after sunrise

Specifications

- Solar cell capacity | Max. 1.8w / 3V / 600mA
- Fan motor operation voltage | DC 3V
- Battery | NiMH LSD AA, 1.2 V, 2400 mAh
- Mounting holes | Ø120 mm

Switching between intake and exhaust ventilation

ø220
30
70
ø120
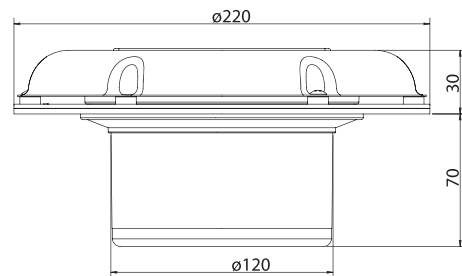
Automotive Electrical Accessories

Car Battery Clips Accessories

Lead Acid Battery Clip with Cable
AE601-10

- Battery clip for lead acid battery
- UL2468 cord (8" bare wire)

Lead Acid Battery Clip with Coaxial DC Power Plug
AE601-13

- Battery clip for lead acid battery
- UL2468 cord (8")
- In-line Molded DC Plug
  –Type A: ID 2.1mm OD 5.5mm
  –Type B: ID 2.5mm OD 5.5mm

Lead Acid Battery Clip with Cigarette Lighter Socket
AE601-15

- Battery clip for lead acid battery
- UL2468 cord (8")
- In-line cigaretter lighter socket

Battery Clamp to Cigarette Lighter Socket (Straight Cord)
AE602-15

- Battery clamps for car batteries
- Cable Spec: SPT-1, 18AWG, 1 feet
- In-line cigaretter lighter socket

Battery Clamp to Cigarette Lighter Socket (Coil Cord)
AE602-25

- Battery clamps for car batteries
- Coil Cord: 0.12/30, 12 feet
- In-line cigaretter lighter socket

Customized battery clips accessories
AE60X

- Customizable wire and end processes (See p.9 for wiring options
- You choice of battery clips or clamps (see below)

Universal Dry Cell Battery Tester
AE603

- Easy to use, portable battery tester
- Universal tester for dry cells(D, C, AA, AAA), 9V (Transistor) batteries, and button cells
- Voltage Range: 0-2V (for dry cells & button cells) / 0-9V (for 9V batteries)

Available Battery Clips / Clamps:

DC308	DC309	DC310
20A / 65mm	10A / 53mm	30A / 75mm

DC312	DC313	DC314
30A / 75mm	15A / 51mm	30A / 70mm