Motormate®
MOBILE DC POWER SOURCE

DC-DC Isolated Power Booster
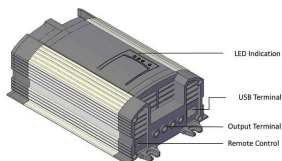## Best for charging batteries from mobile homes distance connection

The MOTORMATE DC – DC Isolated Power Booster designed with the latest switch-mode technology to meet the modern automobile applications. Install the Motormate Power Booster in motor home, caravan or marine to operate the electronic and computer base device at its best performance with a stable and clean voltage supply.

Charging the battery from a long distance connection without worrying about the line loss while in traveling. Single unit or parallel operation gives you the great flexibility to expand the power whenever is needed.

Technical Specifications

MODEL	SB-1120 AU	SB-1130 AU	SB-1140 AU	SB-2210 AU	SB-2215 AU	SB-2220 AU
INPUT AND OUTPUT						
Continuous Output	20A	30A	40A	10A	15A	20A
Input Voltage	12VDC (8 ~ 16VDC operative)			24VDC (20 ~ 32VDC operative)		
Output Voltage	13.8VDC			27.6VDC		
Line Regulation	20mV					
Efficiency	90% at full load					
Ripple & Noise	30mV rms			50mV rms		
Load regulation	30mV from no load to full load					
PROTECTIONS						
Ignition Protected	Yes					
Short Circuit Protected	Yes					
Overload Protected	Yes					
Overheat Protected	Yes					
FEATURES						
USB output	Yes, 5VDC max output current 100mA					
Parallel operation	Yes, allow parallel connection					
Battery charging	Yes, suitable for battery boost charging					
Remote control	Yes, power on after engine start up					
Galvanic isolated	Yes, input and output is fully isolated					
PHYSICAL						
Input connection	Terminal					
Isolated Output	Terminal block x 2					
LED Display	Green - Power On, Yellow - Input Low, Red - Output Overload					
Cooling	Thermally control cooling fan; auto start on overheated					
Operation temperature	-20°C to 50°C					
Case	Anodized aluminum case with mounting cover					
Weight (kg)	0.9	1.2	1.5	0.9	1.2	1.5
Size (mm) L x W x H	180 x 145 x 80	210 x 145 x 80	230 x 145 x 80	180 x 145 x 80	210 x 145 x 80	230 x 145 x 80

* Specifications subject to change without prior notice.

LED Indication
USB Terminal
Output Terminal
Remote Control

POWER ON
BATTERY LOW
DUMP LOAD

External switch
for remote On/Off

DC OUTPUT

Apply switched
9~30VDC positive