

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 carayan 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

APUT AND OUTPUT	i ecnnicai Specif	ications					
20A 30A 40A 10A 15A 20A 20A 24VDC (20 "32VDC operative) 24VDC (20 "32DC operative) 24VDC (20 "32VDC operative) 24VDC (20 "32VDC operative) 24VDC (20 "32VDC operative) 24VDC (20 "32VDC operat	MODEL	SB-1120 AU	SB-1130 AU	SB-1140 AU	SB-2210 AU	SB-2215 AU	SB-2220 AU
Input Voltage 12VDC (8 ~ 16VDC operative) 24VDC (20 ~ 32VDC operative) Input Voltage 13.8VDC 27.6VDC in Regulation 20mV Fliciency 90% at full load place of Florence of Floren	INPUT AND OUTPUT						
Turbut Voltage 13.8VDC 27.6VDC 18.8VDC 18.8VDC 27.6VDC 18.8VDC 18.8VDC 20mV 20mV 20mV 20mV 20mV 20mV 20mV 20mV	Continuous Output	20A	30A	40A	10A	15A	20A
ine Regulation 10m 90% at full load 10m	Input Voltage	12VDC (8 ~ 16VDC operative)			24VDC (20 ~ 32VDC operative)		
fficiency 90% at full load ipple & Noise 30mV rms 50mV rms 50mV rms and regulation 80mV from no load to full load ROTECTIONS grition Protected Yes hort Circuit Protected Yes horeload Protected Yes brenbad Protected Yes Short Washington Yes, SVDC max output current 100mA arallel operation Yes, suitable for battery boost charging emote control Yes, power on after engine start up islavanic isolated Yes, input and output is fully isolated HYSICAL HYSICAL HYSICAL BD Display Green - Power On, Yellow - Input Low, Red - Output Overload ooling Thermally control cooling fan; auto start on overheated operation temperature asse Anodized aluminum case with mounting cover Veight (Kg) 0.9 1.2 1.5 0.9 1.2 1.5	Output Voltage	13.8VDC			27.6VDC		
ipple & Noise 30mV rms 50mV rms and regulation 30mV from no load to full load ROTECTIONS gnition Protected Yes werhoad Protected Yes verhoad Protected Yes EATURES SB output Yes, SVDC max output current 100mA arailel operation Yes, suitable for battery boost charging emote control Yes, power on after engine start up alvanic isolated Yes, input and output is fully isolated HYSICAL put connection Terminal solated Output Terminal solated Output Terminal block x 2 ED Display Green - Power On, Yellow - Input Low, Red - Output Overload sololing Thermally control cooling fan; auto start on overheated peration temperature asse Anodized aluminum case with mounting cover Veight (kg) 0.9 1.2 1.5 0.9 1.2 1.5	Line Regulation	20mV					
Anodized aluminum case with mounting cover verigint for process of the properties of the process	Efficiency	90% at full load					
ROTECTIONS gnition Protected Yes hort Circuit Protected Yes verload Protected Yes Verload Protected Yes Verload Protected Yes Verload Protected Yes Verload Protected Yes Verload Protected Yes Statures Statures Statures Statures Statures Statures Yes, sollow parallel connection Terminal solated T	Ripple & Noise	30mV rms			50mV rms		
Inition Protected Yes hort Circuit Protected Yes hort Circuit Protected Yes hort Circuit Protected Yes horeload Protected Yes horeload Protected Yes horeload Protected Yes horeload Protected Yes EATURES SSB output Yes, 5VDC max output current 100mA rarallel operation Yes, allow parallel connection rattery charging Yes, suitable for battery boost charging emote control Yes, power on after engine start up raidvanic isolated Yes, input and output is fully isolated HYSICAL reminal rootated Output Terminal solated Output Terminal block x 2 ED Display Green - Power On, Yellow - Input Low, Red - Output Overload soling Thermally control cooling fan; auto start on overheated roperation temperature rase Anodized aluminum case with mounting cover levight (kg) 0.9 1.2 1.5 0.9 1.2 1.5	Load regulation	30mV from no load to full load					
hort Circuit Protected Ves horhoad Protected Ves horhoad Protected Ves EATURES SES output Yes, SVDC max output current 100mA arallel operation Attery charging Yes, suitable for battery boost charging emote control attery charging Yes, power on after engine start up alvanic isolated Yes, input and output is fully isolated HYSICAL Aput connection Terminal solated Output ED Display Green - Power On, Yellow - Input Low, Red - Output Overload sololing Thermally control cooling fan; auto start on overheated peration temperature asse Anodized aluminum case with mounting cover Veight (kg) 0.9 1.2 1.5 0.9 1.2 1.5	PROTECTIONS						
Verload Protected Yes Verload Protected Yes Verload Protected Yes EATURES ISB output Yes, 5VDC max output current 100mA arallel operation Yes, allow parallel connection attery charging Yes, suitable for battery boost charging emote control Yes, power on after engine start up alabanic isolated Yes, input and output is fully isolated HYSICAL Terminal solated Output Terminal block x 2 ED Display Green - Power On, Yellow - Input Low, Red - Output Overload ooling Thermally control cooling fan; auto start on overheated -20°C to 50°C asse Anodized aluminum case with mounting cover Veight (kg) 0.9 1.2 1.5 0.9 1.2 1.5	Ignition Protected	Yes					
Archest Protected Yes EATURES SB output Yes, SVDC max output current 100mA arallel operation Yes, allow parallel connection attery charging Yes, suitable for battery boost charging emote control Yes, power on after engine start up alavanic isolated Yes, input and output is fully isolated HYSICAL put connection Terminal solated Output Terminal block x 2 ED Display Green - Power On, Yellow - Input Low, Red - Output Overload solding Thermally control cooling fan; auto start on overheated -20°C to 50°C asse Anodized aluminum case with mounting cover Veight (kg) 0.9 1.2 1.5 0.9 1.2 1.5	Short Circuit Protected	Yes					
EATURES SPS output Yes, 5VDC max output current 100mA arallel operation Yes, allow parallel connection Yes, allow parallel connection Yes, suitable for battery boost charging emote control attery charging Yes, power on after engine start up alavanic isolated HYSICAL Aput connection Terminal solated Output Terminal block x 2 ED Display Green - Power On, Yellow - Input Low, Red - Output Overload soling Thermally control cooling fan; auto start on overheated -20°C to 50°C asse Anodized aluminum case with mounting cover Veight (kg) 0.9 1.2 1.5 0.9 1.2 1.5	Overload Protected	Yes					
SB output Yes, SVDC max output current 100mA arallel operation Yes, allow parallel connection attery charging Yes, suitable for battery bost charging emote control Yes, power on after engine start up always is obtained by the start of the	Overheat Protected	Yes					
arallel operation Area parallel operation Attery charging Yes, suitable for battery boost charging Yes, power on after engine start up Formula and output is fully isolated HYSICAL Aput connection Terminal Foolated Output Formula block x 2 ED Display Green - Power On, Yellow - Input Low, Red - Output Overload Fooling Thermally control cooling fan; auto start on overheated Speration temperature S	FEATURES						
artery charging Yes, suitable for battery boost charging emote control Yes, power on after engine start up advant is solated Yes, input and output is fully isolated HYSICAL aput connection Terminal solated Output Terminal block x 2 ED Display Green - Power On, Yellow - Input Low, Red - Output Overload cooling Thermally control cooling fan; auto start on overheated - 20°C to 50°C asset Anodized aluminum case with mounting cover Veight (kg) 0.9 1.2 1.5 0.9 1.2 1.5	USB output	Yes, 5VDC max output current 100mA					
remote control Yes, power on after engine start up salvanic isolated Yes, input and output is fully isolated HYSICAL Input connection Terminal solated Output ED Display Green - Power On, Yellow - Input Low, Red - Output Overload sooling Thermally control cooling fan; auto start on overheated -20°C to 50°C asse Anodized aluminum case with mounting cover Veight (kg) 0.9 1.2 1.5 0.9 1.2 1.5	Parallel operation	Yes, allow parallel connection					
Arrow to solated a luminum case with mounting cover Veight (kg) 0.9 1.2 1.5	Battery charging	Yes, suitable for battery boost charging					
HYSICAL put connection Terminal Solated Output Terminal block x 2 ED Display Green - Power On, Yellow - Input Low, Red - Output Overload Sooling Thermally control cooling fan; auto start on overheated Operation temperature -20°C to 50°C ase Anodized aluminum case with mounting cover Veight (kg) 0.9 1.2 1.5 0.9 1.2 1.5	Remote control	Yes, power on after engine start up					
Terminal	Galvanic isolated	Yes, input and output is fully isolated					
Terminal block x 2	PHYSICAL						
ED Display Green - Power On, Yellow - Input Low, Red - Output Overload cooling Thermally control cooling fan; auto start on overheated -20°C to 50°C asset See Anodized aluminum case with mounting cover Veight (kg) 0.9 1.2 1.5 0.9 1.2 1.5	Input connection	Terminal					
cooling Thermally control cooling fan; auto start on overheated operation temperature asse Anodized aluminum case with mounting cover Veight (kg) 0.9 1.2 1.5 0.9 1.2 1.5	Isolated Output	Terminal block x 2					
Operation temperature -20°C to 50°C clase Anodized aluminum case with mounting cover Veight (kg) 0.9 1.2 1.5 0.9 1.2 1.5	LED Display	Green - Power On, Yellow - Input Low, Red - Output Overload					
Ase Anodized aluminum case with mounting cover Veight (kg) 0.9 1.2 1.5 0.9 1.2 1.5	Cooling	Thermally control cooling fan; auto start on overheated					
Veight (kg) 0.9 1.2 1.5 0.9 1.2 1.5	Operation temperature	-20°C to 50°C					
1-6/11 (1-6)	Case	Anodized aluminum case with mounting cover					
ize (mm) L x W x H	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.





