

SBC Automatic Charger

The SBC charger features a microprocessor controlled battery management system that can meet different types of batteries. User can also define any charging current or make it as a power supply unit.

Output Patterns: 3 outputs, Charging Curve Type: 3 states IUU type (Boost Charge, Absorption Charge, Floating Charge)

Charging Curve Selection: By DIP switch for 5 different battery types

Protection Features: Short-circuit, battery discharge in the event of mains failure, mains input overload, battery polarity inversion



Front Panel



Charging Unit



LED Control Panel

MICROPROCESSOR SYSTEM

Full range input voltage 90V to 250Vac (Model: SBC-4012F, SBC-6012F, SBC-3024F, SBC-5024F)

Efficiency > 86%

EC stamp absolute conformity to CEM class B

IP 20

Charging curve of 3 states IUU type

Fitted with a PFC (cos = 1)

Working temperature: -10°C to +45°C

Output power reduced for U < 200Vac 16 memorised charging curves

Description:

High efficiency Super Battery Charger.

Microprocessor System features charging curve of 5 different battery types and 3 states IUU type.

Model No.	SBC-1524
Input Voltage	230V ~ +10% / -15%
Output Voltage	24V
Charging Capacity	15A
Frequency	50Hz / 60Hz
Output Patterns	1 or 3
Input Voltage U bat	±2%
Output Current I bat	±10%
Charging Curve Type	3 states IUU type (Boost Charge, Absorption Charge, Floating Charge)
Charging Curve Selection	By SWITCH for 5 different battery types: Standard lead acid unsealed, Sealed lead acid (Gel Cell), Lead calcium (standard charge/deep discharge), User define
Working Temperature	-10°C ~ +45°C
Storage Temperature	-20°C ~ +70°C
Protection Feature	Against output short-circuit, Battery discharge in the event of mains failure, Mains input overload, Battery polarity inversion
Protection Options	Battery or charger over temperature (Temperature sensor)
Dimensions (mm)	310 x 200 x 70
Weight (by kgs)	3

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Full range input voltage 90V to 250Vac (Model: SBC-4012F, SBC-6012F, SBC-3024F, SBC-5024F)

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Description:

High efficiency Super Battery Charger.

Microprocessor System features charging curve of 5 different battery types and 3 states IUU type.

Model No.	SBC-2012
Input Voltage	230V ~ +10% / -15%
Output Voltage	24V
Charging Capacity	15A
Frequency	50Hz / 60Hz
Output Patterns	1 or 3
Input Voltage U bat	±2%
Output Current I bat	±10%
Charging Curve Type	3 states IUU type (Boost Charge, Absorption Charge, Floating Charge)
Charging Curve Selection	By SWITCH for 5 different battery types: Standard lead acid unsealed, Sealed lead acid (Gel Cell), Lead calcium (standard charge/deep discharge), User define
Working Temperature	-10°C ~ +45°C
Storage Temperature	-20°C ~ +70°C
Protection Feature	Against output short-circuit, Battery discharge in the event of mains failure, Mains input overload, Battery polarity inversion
Protection Options	Battery or charger overtemperature (Temperature sensor)
Dimensions (mm)	310 x 200 x 70
Weight (by kgs)	

MICROPROCESSOR SYSTEM

Full range input voltage 90V to 250Vac (Model: SBC-4012F, SBC-6012F, SBC-3024F, SBC-5024F)

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Working temperature: -10°C to +45°C

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Description:

High efficiency Super Battery Charger.

Microprocessor System features charging curve of 5 different battery types and 3 states IUU type.

Model No.	SBC-3024F
Input Voltage	90V~250V
Output Voltage	24V
Charging Capacity	30A
Frequency	50Hz / 60Hz
Output Patterns	1 or 3
Input Voltage U bat	±2%
Output Current I bat	±10%
Charging Curve Type	3 states IUU type (Boost Charge, Absorption Charge, Floating Charge)
Charging Curve Selection	By SWITCH for 5 different battery types: Standard lead acid unsealed, Sealed lead acid (Gel Cell), Lead calcium (standard charge/deep discharge), User define
Working Temperature	-10°C ~ +45°C
Storage Temperature	-20°C ~ +70°C
Protection Feature	Against output short-circuit, Battery discharge in the event of mains failure, Mains input overload, Battery polarity inversion
Protection Options	Battery or charger overtemperature (Temperature sensor)
Dimensions (mm)	400 x 250 x 80
Weight (by kgs)	6

MICROPROCESSOR SYSTEM

Full range input voltage 90V to 250Vac (Model: SBC-4012F, SBC-6012F, SBC-3024F, SBC-5024F)

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Charging curve of 3 states IUU type

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Working temperature: -10°C to +45°C

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Description:

High efficiency Super Battery Charger.

Microprocessor System features charging curve of 5 different battery types and 3 states IUU type.

Model No.	SBC-4012F
Input Voltage	90V~250V
Output Voltage	12V
Charging Capacity	40A
Frequency	50Hz / 60Hz
Output Patterns	1 or 3
Input Voltage U bat	±2%
Output Current I bat	±10%
Charging Curve Type	3 states IUU type (Boost Charge, Absorption Charge, Floating Charge)
Charging Curve Selection	By SWITCH for 5 different battery types: Standard lead acid unsealed, Sealed lead acid (Gel Cell), Lead calcium (standard charge/deep discharge), User define
Working Temperature	-10°C ~ +45°C
Storage Temperature	-20°C ~ +70°C
Protection Feature	Against output short-circuit, Battery discharge in the event of mains failure, Mains input overload, Battery polarity inversion
Protection Options	Battery or charger overtemperature (Temperature sensor)
Dimensions (mm)	400 x 250 x 80
Weight (by kgs)	6

MICROPROCESSOR SYSTEM

Full range input voltage 90V to 250Vac (Model: SBC-4012F, SBC-6012F, SBC-3024F, SBC-5024F)

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Charging curve of 3 states IUU type

Fitted with a PFC (cos = 1)

Working temperature: -10°C to +45°C

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Description:

High efficiency Super Battery Charger.

Microprocessor System features charging curve of 5 different battery types and 3 states IUU type.

Model No.	SBC-5024F
Input Voltage	90V~250V
Output Voltage	24V
Charging Capacity	50A
Frequency	50Hz / 60Hz
Output Patterns	1 or 3
Input Voltage U bat	±2%
Output Current I bat	±10%
Charging Curve Type	3 states IUU type (Boost Charge, Absorption Charge, Floating Charge)
Charging Curve Selection	By SWITCH for 5 different battery types: Standard lead acid unsealed, Sealed lead acid (Gel Cell), Lead calcium (standard charge/deep discharge), User define
Working Temperature	-10°C ~ +45°C
Storage Temperature	-20°C ~ +70°C
Protection Feature	Against output short-circuit, Battery discharge in the event of mains failure, Mains input overload, Battery polarity inversion
Protection Options	Battery or charger overtemperature (Temperature sensor)
Dimensions (mm)	400 x 250 x 80
Weight (by kgs)	6

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Full range input voltage 90V to 250Vac (Model: SBC-4012F, SBC-6012F, SBC-3024F, SBC-5024F)

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Working temperature: -10°C to +45°C

Output power reduced for U< 200Vac

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Description:

High efficiency Super Battery Charger.

Microprocessor System features charging curve of 5 different battery types and 3 states IUU type.

Model No.	SBC-6012F
Input Voltage	90V~250V
Output Voltage	12V
Charging Capacity	60A
Frequency	50Hz / 60Hz
Output Patterns	1 or 3
Input Voltage U bat	±2%
Output Current I bat	±10%
Charging Curve Type	3 states IUU type (Boost Charge, Absorption Charge, Floating Charge)
Charging Curve Selection	By SWITCH for 5 different battery types: Standard lead acid unsealed, Sealed lead acid (Gel Cell), Lead calcium (standard charge/deep discharge), User define
Working Temperature	-10°C ~ +45°C
Storage Temperature	-20°C ~ +70°C
Protection Feature	Against output short-circuit, Battery discharge in the event of mains failure, Mains input overload, Battery polarity inversion
Protection Options	Battery or charger overtemperature (Temperature sensor)
Dimensions (mm)	400 x 250 x 80
Weight (by kgs)	6