



Product designation	Automatic battery chargers
Product type designation	BCG
Туре	Single phase automatic battery charger 1 charging level for sealed and non- sealed lead-acid batteries

Power supply Rated voltage Us

BCG1024

MaxVAC240 ±10%Operational frequencymin maxHz50 ±10% 60 ±10%Power consumptionMaxVA630 MaxWInternal fuseA8Charging cycleIEC62368-1 sealed lead-acid batteriesnon-sealed and sealed lead-acid batteriesBattery typeVDC24Charging voltageVDC24Charging voltage (Uc)in pos. V1:27.6; V2:27.0V2:27.0Boost% Uc44.4Charging current (lc)A10Charging current adjustment% Ic20 to 100Protections% Ic20 to 100IndicatorsLED indicator for operating statusYesLED indicator for operating statusYesYesLED reverse battery polarityYesYesAurm output circuitV1 relay1 relay	Nated Voltage 03	min	VAC	110
min max Hz 50 ±10% 60 ±10% Power consumption Max VA Max VA 630 Max Charging cycle IEC62368-1 Battery type sealed lead-acid batteries Battery voltage VDC 24 Charging voltage (Uc) VIC 24 Charging current (Ic) A 10 Charging current adjustment % Ic 20 to 100 Main supply fuse; charging inhibition due to: 1. Short circuit at battery polarity; 3. Low voltage at battery polarity; 3. Low voltage at battery polarity; 3. Low voltage at battery polarity Yes LED indicator for operating status Yes Yes LED reverse battery polarity Yes Alarm output circuit Star		Max	VAC	240 ±10%
maxHz60 ±10%Power consumptionMaxVA630 MaxWMaxVA630 MaxW311Internal fuseA8Charging cycleIEC62368-1 non-sealed and sealed lead-acid batteriesnon-sealed and sealed lead-acid batteriesBattery typeVDC24Charging voltageVDC24Charging voltage (Uc)VDC24Charging current (Ic)A10Charging current adjustment% Ic20 to 100Protections% Ic20 to 100ProtectionsLeverse battery polarityLeverse battery polarityLED indicator for operating statusYesLED reverse battery polarityYesAlarm output circuitYes	Operational frequency			
Power consumption Max VA 630 Max W 311 Internal fuse A 8 Charging cycle IEC62368-1 non-sealed and sealed lead-acid battery type Battery type VDC 24 Charging voltage VDC 24 Charging current (Ic) A 10 Charging current adjustment % Ic 20 to 100 Protections % Ic 20 to 100 Inibition due to: 1. Short circuit at battery poles; 2. Reverse battery poles; 4. A Protections LED indicator for operating status Yes LED indicator for operating status Yes LED reverse battery polarity Yes		min	Hz	50 ±10%
Max MaxVA W630 WInternal fuseA8Charging cycleIEC62368-1Reference standardsIEC62368-1Battery typesealed lead-acid batteriesBattery voltageVDCCharging cyclage (Uc)in pos. V1:27.6; V2:27.0Boost% Uc+4.4Charging current (Ic)ACharging current adjustment% IcProtections% IcProtections20 to 100IndicationsLew voltage attery polarityLED indicator for operating statusYesLED reverse battery polarityYes		max	Hz	60 ±10%
MaxW311Internal fuseA8Charging cycleIEC62368-1Reference standardsIEC62368-1Battery typesealed lead-acid batteriesBattery voltageVDC24Charging voltage (Uc)VDC24Charging current (Ic)A10Charging current adjustment% Ic20 to 100Protections% Ic20 to 100ProtectionsIndicationsLED indicator for operating statusYesLED reverse battery polarityYesAlarm output circuitYes	Power consumption			
Internal fuse A 8 Charging cycle Reference standards IEC62368-1 Battery type sealed lead-acid batteries Battery voltage VDC 24 Charging voltage (Uc) in pos. V1:27.6; V2:27.0 Boost % Uc +4.4 Charging current (Ic) A 10 Charging current adjustment % Ic 20 to 100 Main supply fuse; charging inhibition due to: 1. Short circuit at battery terminals; Protections 2. Reverse battery polarity; 3. Low voltage at battery polarity; 4. Output overload. Indications LED indicator for operating status Yes LED indicator for operating status Yes LED reverse battery polarity Yes		Max	VA	630
Charging cycle IEC62368-1 Reference standards non-sealed and sealed lead-acid batteries Battery type vDC 24 Charging voltage (Uc) in pos. V1:27.6; V2:27.0 Boost % Uc +4.4 Charging current (Ic) A 10 Charging current adjustment % Ic 20 to 100 Main supply fuse; charging inhibition due to: 1. Short circuit at battery terminals; 2. Reverse battery polarity; 3. Low voltage at battery polarity; 4. Output overload. Indications LED indicator for operating status Yes LED reverse battery polarity Yes		Max	W	
Reference standards IEC62368-1 Battery type non-sealed and sealed lead-acid batteries Battery voltage VDC Charging voltage (Uc) in pos. V1:27.6; V2:27.0 Boost % Uc Charging current (lc) A Charging current adjustment % Ic Protections % Ic Protections 2.4 Indications LED indicator for operating status LED indicator for operating status Yes LED reverse battery polarity Yes			А	8
Battery type non-sealed and sealed lead-acid batteries Battery voltage VDC 24 Charging voltage (Uc) in pos. V1:27.6; V2:27.0 Boost % Uc +4.4 Charging current (Ic) A 10 Charging current adjustment % Ic 20 to 100 Main supply fuse; charging inhibition due to: 1. Short circuit at battery terminals; 2. Reverse battery polarity; 3. Low voltage at battery poles; 4. Output overload. Indications LED indicator for operating status Yes Yes LED reverse battery polarity Yes Yes				
Battery type sealed lead-acid batteries Battery voltage VDC 24 Charging voltage (Uc) in pos. V1:27.6; V2:27.0 Boost % Uc +4.4 Charging current (Ic) A 10 Charging current adjustment % Ic 20 to 100 Main supply fuse; charging inhibition due to: 1. Short circuit at battery terminals; Protections 2. Reverse battery polarity; 3. Low voltage at battery polarity; 4. Output overload. Indications Yes LED indicator for operating status Yes LED reverse battery polarity Yes	Reference standards			IEC62368-1
Charging voltage (Uc) in pos. V1:27.6; V2:27.0 Boost % Uc +4.4 Charging current (Ic) A 10 Charging current adjustment % Ic 20 to 100 Main supply fuse; charging inhibition due to: 1. Short circuit at battery terminals; 2. Reverse battery polarity; 3. Low voltage at battery poles; 4. Output overload. Indications Yes LED indicator for operating status Yes LED reverse battery polarity Yes Alarm output circuit Yes	Battery type			sealed lead-acid
Charging voltage (0c) V2:27.0 Boost % Uc +4.4 Charging current (Ic) A 10 Charging current adjustment % Ic 20 to 100 Main supply fuse; charging inhibition due to: 1. Short circuit at battery terminals; Protections 2. Reverse battery polarity; 3. Low voltage at battery poles; 4. Output overload. Indications Yes LED indicator for operating status Yes LED reverse battery polarity Yes Alarm output circuit Yes	Battery voltage		VDC	24
Charging current (Ic) A 10 Charging current adjustment % Ic 20 to 100 Main supply fuse; charging inhibition due to: Main supply fuse; charging inhibition due to: Protections 1. Short circuit at battery terminals; 2. Reverse battery polarity; 3. Low voltage at battery poles; 4. Output overload. Indications Yes LED indicator for operating status Yes LED reverse battery polarity Yes Alarm output circuit Yes	Charging voltage (Uc)			
Charging current adjustment % Ic 20 to 100 Main supply fuse; charging inhibition due to: 1. Short circuit at battery terminals; 2. Reverse battery polarity; 3. LeD indicator for operating status 2. Reverse battery polarity Indications LED reverse battery polarity Yes Alarm output circuit Yes	Boost		% Uc	+4.4
Main supply fuse; charging inhibition due to: Protections Protections 2. Reverse battery polarity; 3. Low voltage at battery poles; 4. Output overload. Indications LED indicator for operating status LED reverse battery polarity Yes Alarm output circuit	Charging current (Ic)		А	10
Protectionscharging inhibition due to: 1. Short circuit at battery terminals; 2. Reverse battery polarity; 3. Low voltage at battery poles; 4. Output overload.IndicationsvesLED indicator for operating statusYesLED reverse battery polarityYesAlarm output circuitVes	Charging current adjustment		% Ic	20 to 100
LED indicator for operating statusYesLED reverse battery polarityYesAlarm output circuitYes	Protections			charging inhibition due to: 1. Short circuit at battery terminals; 2. Reverse battery polarity; 3. Low voltage at battery poles; 4.
LED reverse battery polarity Yes Alarm output circuit	Indications			
Alarm output circuit	LED indicator for operating status			Yes
	LED reverse battery polarity			Yes
Output type 1 relay	Alarm output circuit			
	Output type			1 relay

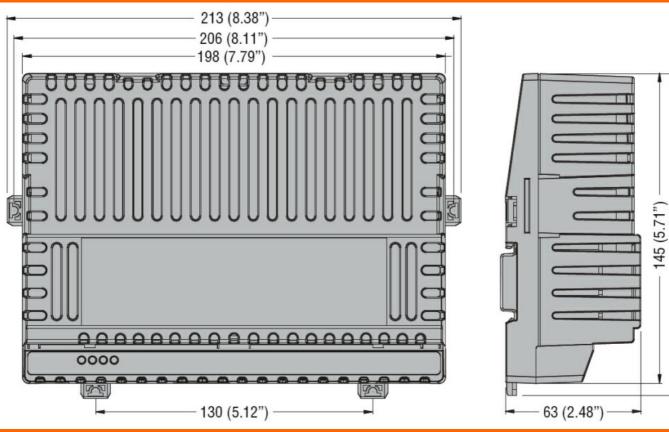
The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



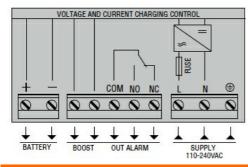
ENERGY AND AUTOMATION

Rated capacity		5A 30VDC
Mechanical features		
Housing type		Internal panel mounting
Terminals type		Fixed
Fixing		35mm DIN rail or Screw fixing
Weight	g	710
Ambient conditions		
Temperature		
Operating temperature		

	min max	°C °C	-30 +55	
Storage temperature				
	min	°C	-30	
	max	°C	+80	
Protection degree			IP20	
Dimensions				



Wiring diagrams



Certifications and compliance

BCG1024

151 (5.94")



Compliance

	CSA C22.2 n°60950-1	
	IEC/EN/BS 61000-6-2	
	IEC/EN/BS 61000-6-3	
	IEC/EN/BS 62368-1	
	UL 60950-1	
Certificates		
	cURus	
	EAC	
ETIM classification		
		EC000359 -

ETIM 8.0

EC000359 -Universal charger