



Allis Electric Co., Ltd.

CHARGER SERIES



Battery Charger

Key Features

- Thyristor control with full bridge rectifier.
- Rated voltage and current limit at output side.
- Built in the features of low ripple, low noise, alarm indications, comprehensive protection.
- Stable control circuit to provide a stable DC output power.
- Using non-toxic electric cable for wiring.





Specifications

Model	
AC input	
Voltage	3 Φ 440V $\pm$ 10%
Frequency	50 or 60Hz $\pm$ 5%
Power Factor	0.8(at Full load)
Output Capacity	15kW(at 110V) 12kW(at 29V)
Output Voltage	
Float Voltage	112.5V(adjustable) 29.6V(adjustable)
Equalize Voltage	118V(adjustable) 31V(adjustable)
Voltage Regulation	$\leq \pm 5\%$ (at rating load)
Efficiency	$>80\%$ (at rating load)
Current Limit	adjustable from 50% to 130%
Ripple	$<5\%$ RMS(at rating load)
Noise	Audible noise at 1 meter < 65 dBA
Cooling	Natural cooling
Insulation resistance and voltage withstand	
Dielectric Withstand Voltage Testing	Pure sine wave voltage 2.5 kVAC– output earth within 1 minute
Insulation Resistance Testing	The minimum insulation resistance specified is 100 M Ω at 1 kV
Environmental	
Ambient Temperature	0~40°C
Relative Humidity	0~90%, non-condensing

Alarms & INDICATION

AC Power ON/OFF (AC ON , AC OFF).....LED	Over Current (OC).....LED
Over Voltage (OV).....LED	Fuse Cut (FC).....LED
Under Voltage (UV).....LED	Over Temperature(OT).....LED

Alarms & Remote Contacts

Low Battery Voltage (LBV)
AC Power OFF (AC OFF)
Charger Failure

Protection

Soft Start Function	Waterproof Rank (IPX4)
Constant Voltage / Current Limit / Automatic Feedback Control	AC Power OFF (AC OFF)
Fuse Cut (FC)	Over Voltage (OV)
Over-Current Protection	Under Voltage (UV)
Over-Temperature Protection	Low Battery Voltage (LBV)
Remote Alarm Dry Contact	Charger Failure
Equalizing Timer Setting	Waterproof Rank(SUS304)

Vibration measuring testing

The railroad car parts are following JIS4031, the vibration measuring testing 2B and JIS4032, the impact testing 1A.

- All information contained in this brochure is purley indictive and can not be used to form any contractual obligations.
- Specification or design can be changed at anytime without notice.

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