



SS ICR

Microprocessor Controlled Battery Charge Rectifier

2KW 1 Phase

- Microprocessor Controlled
- Voltage, Current, Temperature, Charge and Status data digitally
- Operation according to Constant Voltage and Constant Current principle
- Adjustable boost and nominal charge voltages
- Adjustable Output Current/High Voltage Protection
- Overcurrent Protection / Short circuit Protection
- Overtemperature Protection / Input Filter Control Panel
- Alphanumeric LCD Display
- Low Voltage DC Protection (LVD) (Optional)
- External Alarm Contacts
- Easy Menu Navigation with Keypad

Front Panel

- LCD Display (Alphanumeric)
- Digitally monitoring of Voltage, Current, Temperature, Charge and Status data

Lighted Alarms

- Overload
- Mains On / Off
- Battery operation
- Load status
- Low Voltage DC Protection (LVD)
- General Failure

Communication

- RS232 (optional)
- MODBUS (optional)
- RJ45 (optional)
- Temperature Sensor (Optional)
- Dry Contact (Optional)



TECHNICAL SPECIFICATIONS

MODEL	SSICR024-60	SSICR048-30	SSICR110-15
Output Current	60 A	30 A	15 A
Output DC Voltage	24 VDC	48 VDC	110 VDC
INPUT			
Input Phase Number	1 Phase		
Input Voltage Range	154-265 VAC		
Input Frequency Range	45-65 Hz		
Power Factor	>0.99		
OUTPUT			
Nominal Output Voltage (In case of order as Battery Charger)	24 VDC	48 VDC	110 VDC
Output Voltage Adjustment Range (In case of order as DC Power Supply)	0-30 VDC	0-59 VDC	0-130 VDC
Initial Charge	24.5V	49V	112V
Float Charge	27.1V	54.2V	122V
Boost Charge	28.8V	57.6V	129.6V
Short circuit Current	110%	110%	110%
Output Current	60A	30A	15A
Output Voltage Ripple	<30mV	<60mV	<100mV
Dynamic Response	2%		
Output Protection	Electronic short circuit/ Overvoltage/ Reverse voltage protection/ Overtemperature/ Overcurrent/ ±DC leakage current protection		
GENERAL			
Cooling	Forced (FAN cooling)		
Isolation Voltage	2000VAC between Output and Chassis		
Efficiency	>90%		
Operating Temperature	0-50°C		
Relative Humidity	5%-90%		
Input/Output Connections	Terminal block		
Fuses	Thermal magnetic automaton for input & output, battery automaton (installed when LVD option is selected)		
DISPLAY & COMMUNICATION			
LCD Display Panel	Voltage,current, temperature,charge and status information (alphanumeric)		
LCD Display Information	Overload, Mains On, Battery, Load, LVD, Fault information		
External Alarm Contacts	Normally Open or Closed (9pcs dry contacts) (Optional)		
LVD	DC Undervoltage Protection (Optional)		
ENVIRONMENTAL			
Operating and Storage Temperature	0... +50 [°C] / -15... +70 [°C]		
Operating and Storage Relative Humidity	20%... 80% / 20%... 95%		
DIMENSIONS			
Net Weight (kg)	11		
Dimensions (WxDxH) (mm)	420x420x200		
STANDARDS			
Cabinet Protection Class	IP 20		
EMC	EN61204-3		
Safety	EN 50091-1		
Performance	EN 62040-3, EN 50091-3		

INFORM reserves the right to change the information contained herein without notice.