



## High Frequency Switch Mode

تهران ، سهروردی شمالی ، خیابان توپچی ، پلاک ۱ ، ساختمان آماک  
تلفن: ۲۰ - ۰۲۱ ۸۸ ۵۳ ۲۷ ۱۵ فکس: ۰۲۱ ۸۸ ۷۶ ۳۵ ۳۱

[www.amakco.com](http://www.amakco.com)

E-mail: [info@amakco.com](mailto:info@amakco.com)



سیستم مدیریت کیفیت



سیستم مدیریت ایمنی و بهداشت شغلی



سیستم مدیریت شکایات مشتریان



سیستم مدیریت پاسخ و اندازه گیری رضایت مشتریان

# AMAK610 RECTIFIER DATA SHEET



No.	DESCRIPTION	SPECIFICATION
1	RECTIFIER TOPOLOGY	High Frequency Switch Mode
2	NO. of modules will be used in the system	One Modules
3	Output Power Capacity (Each module / Whole System With 5 modules)	9KW

## RECTIFIER GENERAL INFORMATION

4	Efficiency	≥ 93% @ 100% Load ≥ 89% @ 50% Load
5	Altitude without power derating	1000 mt. Without dreading
7	Audible noise level	< 50 dBA
8	Mechanical Index of Protection	IP 20 (other as option)
9	RECTIFIER Operational ambient temperature	0-50 °C
10	Recommended Operational ambient temperature to increase life time	10 °C to 25 °C
11	RECTIFIER Operational ambient humidity (Non-Condensing)	≤ 90%
12	RECTIFIER Storage ambient temperature	-10 - +65 °C
16	Cooling Method	FAN FORCED
17	Heat dissipation (KW)	Approximately 2500W @ 110V/70A
18	Color	RAL 7035 (other as option)
20	Parallel capability	Up to 5 modules in one rack
21	RECTIFIER Communicating device	Dry Contacts (alarms / Statuses)
23	Display	LCD + LED
24	Metering on LCD panel of the RECTIFIER And Protection	Battery Output Current/Battery Output Voltage/System Output Current/System Output Voltage/Battery Temperature Main Failur/Rectifier High Temp./Output O.V./Output U.V./ Output High Current

## ELECTRICAL DATA

25	Input Voltage	480VAC,3PH,4W, -20%, +10%
26	Input Frequency	50Hz ± 10%
27	Input power factor at full load	≥ 0.75 @ Full load
28	Rectifier output voltage stability	≤ 1%
29	Rectifier output voltage ripple	≤ 1% VRMS with battery connected
30	Maximum Output Current / Power (each module)	70A / 9KW
31	Float Charge Voltage	1.4V/Cell, Adjustable
32	Boost Charge Voltage	1.45V/Cell, Adjustable
33	Battery Voltage Temperature Compensation facility	Battery Temp. Probe (Optional)
34	Output Over Current	Adjustable from 2A to 70A (each module)

## BATTERY

35	BATTERY TYPE	Ni-Cad / VRLA
36	Nominal battery bank voltage	108 VDC (Adjustable)
37	Battery bank voltage at float mode	126.0 VDC (Adjustable)
38	Battery bank voltage at boost mode	130.5 VDC (Adjustable)