

FEATURES

- Single phase or Three phase input (model dependent)
- 24VDC / 48VDC / 110VDC / 220VDC output option
- Smart control and high reliability with DSP (Digital Signal Processor)
- Float charge, equalizing charge and boost charge modes
- Automatic and manual charge modes
- Low output voltage ripple
- 2x16 character LCD display, showing measurements, status and alarm messages
- Soft start
- Led displays for easy observation of Rectifier status. Audible alarm
- Programmable current limitation
- Operation as voltage source or current source
- Calibration of measurements from front panel
- Language selection from front panel
- DC Low / High, Line Failure, Over Temperature, Short Circuit protections
- Ability to program all operation parameters (password protected)
- Programmable alarm relay contact outputs
- Possibility of monitor and control over RS232-RS485
- Log records with date and time stamp up the 200 events
- 10 years of spare parts supply warranty



HI RECT SERIES | RESONANCE RECTIFIER

KEY FEATURES"		
Input Phase	Single Phase	Three Phase
INPUT PARAMETERS		
Input Voltage	220VAC 230VAC 240VAC	3*380VAC 3*400VAC 3*415VAC 3*480VAC
Input Voltage Tolerance		± 15%
Input Frequency		50 - 60 Hz
Input Frequency Tolerance		± 10%
OUTPUT PARAMETERS		
Output Voltage	24VDC 48VDC 110VDC 220VDC	
Current	100 TO 12100W	
Current Limiting	0-102% (Adjustable)	
Ripple	<5%	
Voltage Regulation	±0.5% at float charge, ±%1 at boost charge	
Efficiency	>84%	>92%
PROTECTION		
Protection	Thermic Magnetic Breaker (Input, Output)	
Endurable Dielectric Voltage	Short circuit, Over Voltage/Current Protection, Automatic Restart 2000V Input - Output 2000V Input - Chassis 500V Output – Chassis (For PS with output voltage <50V) 1000V Output – Chassis (For PS with output voltage <50V)	
BATTERY		
Battery Charge Voltage	Automatic Charge, Boost Charge: 2,4V / Cell Float Charge: 2.25V / Cell	
Boost Charge Time	0 to 90 hours (adjustable)	
Displays	Automatic Charge, Float Charge, Boost Charge, Common Alarm	
Alarms	Common Relay contact output for AC input low, DC output low and overheat	
GENERAL FEATURES		
Protection Class	IP20(Standard) to IPS4(Optional), (consult to EPC for IPS4 to IP65)	
Storage Temperature	(-10°C) to (+60°C)	
Operating Temperature	(-0°C) to (+50°C)	
Cooling	Fan Forced cooling (Standard), Natural Cooling(Optional)	
Altitude	1000m (-1% Power for every 100m after 1000m) Max. 4000	
Relative Humidity	0-95% (Non-consensing)	
Noise (1m away)	<45 – 55dB (depends on capacity)	<50 – 55dB (depends on capacity)
Color	RAL7035, RAL7032(Standard), others (optional)	
Cable Entry	Front Bottom (Top Entry optional)	
Battery Charge Characteristics	VDE, DIN 41773	
Dimensions(1U=44,45mm)	19", 21" or Wall Mount Cabinet, SU	
STANDARDS		
Standards	ANSI-NEMA PE 5; IEC62040-2; ISO9001; ISO14001	

NOTE: All specifications subject to change without notice. Consult EPC's Technical Support Department for special applications. All names used above are registered trademarks of their respective owners.

Note: Product properties may change without a notice by EPC.