

Features

- Universal input 100-240VAC
- Short Circuit Output Protected

DEALPOWER

- Approved to UKCA, CE
- LVD & EMC Class B Certified, RoHS & REACH compliant
- 48V Lead Acid 3 Stage Control (Fast/Normal/Float)
- OVP, OCP, OTP & amp; Short Circuit
- LED Charge Indicators Included





Ideal Power's 31ACZZ48A Range of 48V Lead Acid Battery Chargers Series are certified to UKCA, CE, RoHS, REACH & EN 62368-1 Standards and comply with the relevant Efficiency Regulations. These are primarily used in ITE, Audio & Video Industries and customised solutions are available upon request.

Models	31AC0148A	31AC0248A	31AC0348A			
Input Voltage	90V / 264V Auto Switch - 100-240Vac +/- 10%					
Input Frequency	47Hz ~ 63Hz / 50-60Hz +/- 5%					
Input Current	1.8~3.6A - 115Vac / 230Vac					
Output Max Current	1A 2A 3,					
Output Power	48W	96W	144W			
Output Voltage	54.8~58.4V DC					
Ripple & Noise	200 mVp-p					
Float Voltage Start Point	0.5A					
Isolation	Input isolate Chassis : 500M OHM					
Battery Application	Lead Acid Battery					
LED - Power	Red					
LED - Charging	Orange					
LED – Fully Charged	Green					
DC Cable	1.2M Mount clips					
Dimensions	180 x 88 x 47 (LxWxH) mm					
Weight	0.8 (Kgs)					
Specifications subject to chan	ge without notice.					
Applications						
© Communication devices	O Power generators	© UPS	Power Inverters			
Wacuums Pumps Augusta Pumps Augu	© Sailing boats	© Fork-lift				
© Fire trucks	© Emergency vehicles	© Electrical car & bicycles © Mobile command centres				
Household items	© Communication	Automobiles Automo				

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Equipment's



31ACZZ48A 48V Lead Acid Battery Charger Series

Environmental Data

	Minimum	Typical	Maximum	Units	Notes
Operating Temperature	0		45	°C	
Storage Temperature	0		70	ōC	
Operating Humidity	20		90	ōC	
Storage Humidity	10		95	°C	

EMC Emissions (2014/30/EU)

	Standard	Test Level	Criteria	Notes
Conducted	EN 55032	Pass	В	
Radiated	EN 55032	Pass	В	
Harmonic Current	EN 61000-3-2	Pass	А	
Voltage Flicker	EN61000-3-2	Pass		

EMC Immunity (2014/30/EU)

	Standard	Test Level	Criteria	Notes
EMS	EN 55035	Pass	А	
ESD	IEC 61000-4-2	Pass	В	Contact: +/- 4KV; Air: +/- 8KV
RS	IEC 61000-4-3	Pass	А	Frequency: 80-1000MHz; Field Strength: 3V/M ' 80% AM
EFT	IEC 61000-4-4	Pass	В	1.0KV on input AC power ports
Surges	IEC 61000-4-5	Pass	В	Line to Line: +/- 1KV (peak); Line to F.G: +/- 2KV (peak)
Conducted	IEC 61000-4-6	Pass	А	150KHz to 80MHz 3Vms
PFMF	IEC 61000-4-8	Pass	А	50hZ, 60Hz, 1A/m
Dips and Interruptions	IEC 61000-4-11	Pass	Complies	0%, 70%, 0% of UT

Safety Approvals

CE

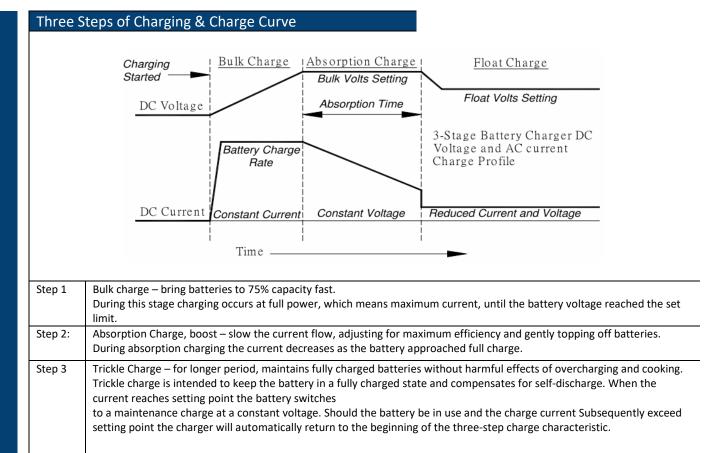
Safety standard

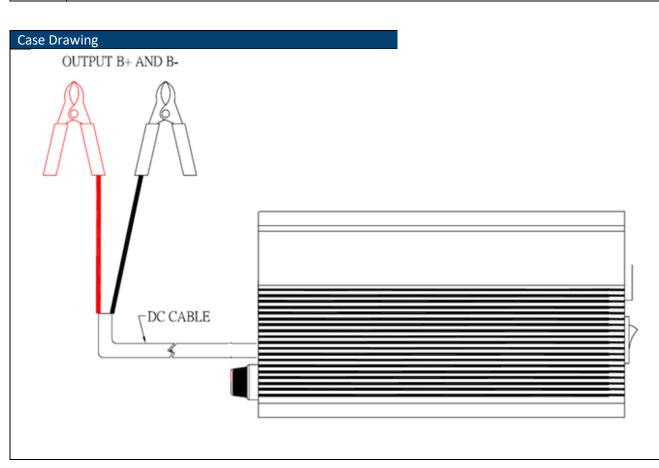
EMC Directive 2014/30/EU, LVD Directive 2014/35/EU, RoHS Directive RoHS (EU) 2015/863

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Case Drawing (continued)

