

Technical Specification of Battery Charger

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| Input Voltage | Single phase, 230V or Three phase 415V |
| Frequency | 50Hz. +/-5% |
| Input voltage variation | +/-10% |
| Battery voltage | As per customer's requirement |
| Rectifier configuration | Full wave half control in 1 phase thyristor bridge OR Full wave fully control in 3 phase thyristor bridge |
| Control mode | Constant voltage, current limiting OR Constant current, voltage limiting |
| Voltage regulation | +/-1% |
| Current regulation | +/-2% |
| Ripple voltage | 1-3% RMS (normally) |
| Protection | <ul style="list-style-type: none"> a) Electronic trip against input phase fail/sequence reversal b) Gate pulse inhibit against AC under voltage c) High speed semiconductor fuse at rectifier input (optional) d) HRC fuse at output and filter circuit e) Snubber across each semiconductor device f) Soft start with current limiting circuitry against over load and short circuit g) Device over temperature shut down (optional) |
| Annunciation | Audio-visual annunciation with flashing LEDs and piezzo buzzer. |
| Termination of Charging | Automatic by sensing battery voltage/current or by Timer. |
| Trickle/boost change over | Automatic/Manual |
| Construction | Folded construction with 2mm CRCA sheet steel |
| Degrees of protection | IP-42 |
| Cooling | Air natural or forced cooling |
| Finish | Epoxy powder coated paint. Normally RAL 7032, siemens grey OR as per client's requirement |