

Technical Features

SCC96-40A-MPPT

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| Type | MPPT SOLAR CHARGE CONTROLLER |
| Model | SCC96-40A-MPPT |
| <u>OUTPUT</u> | |
| Nominal Battery Voltage | 96V |
| Output Current Rating | 40A |
| No of Battery | 8 |
| Max. PV Open Circuit Array Voltage | 176VDC |
| Charge Algorithm | 3-stage Bulk / Acceptance / Float Plus Equalize |
| Acceptance Voltage (VDC) | 115.2 |
| Float Voltage (VDC) | 105.6 |
| Equalization Voltage (VDC) | 121.6 |
| Lead Acid Battery Setting | Adjustable |
| NiCad Battery Setting | Adjustable |
| Load Control Mode | Adjustable |
| Temperature Compensation | Optional sensor adjusts charge voltage based on measured |
| | -5.00 mV/°C/cell correction factor |
| | sensor range -10 to +80°C |
| Communication | RS485 |
| Key Features and Benefits | Extremely High Reliability |
| | High Efficiency |
| | Metering and Data Logging |
| <u>GENERAL</u> | |
| LCD Display | Backlit, Alphanumeric Display showing battery voltage, DC amperage, Cumulative KWH hours |
| Cooling Method | Forced air cooled |
| Protection | Short Circuit , Battery High Voltage, Battery Low Voltage, Lighting & Transient Surges and Reverse Current at Night |
| Mounting | Vertical wall mount as well as ground |
| Equalization | Automatic Equalization - every 30 days |
| <u>DIMENSION</u> | |
| Cabinet Dimension (H x W x L)mm | 165 X 355 X 450 |
| Cabinet Weight (kg) | 6 |
| Shipping Dimensions (H x W x L)mm | 170 X 365 X 460 |
| Shipping Weight (kg) | 7 |
| Housing Material | Powder coated / painted MS |
| <u>ENVIRONMENTAL</u> | |
| Operating Temperature Range | 0°C to 50°C |
| Relative Humidity | 95% (non-condensing) |
| Degree of Protection | IP 20 |
| <u>CERTIFICATIONS</u> | |
| Quality Certifications | ISO 9001:2008 |
| <u>WARRANTY</u> | |
| Product Warranty Period | 1 - year limited warranty |