

Hybrid Solar MPPT Charger - Technical Specifications

Headline: Solar Charging and Coordinated Energy Management

System Operating Mode

Dedicated Solution for DC Operation with Solar Priority Logic

Charger Topologies

Built-in High Efficiency MPPT Solar Charger + AC Mains Auxiliary Charger

PV Input Voltage Range

Up to 70V Max Open Circuit Voltage (Voc)

Battery Nominal Voltage

12V DC / 24V DC Auto-Detection or User Settable

MPPT Functionality

Micro-Controlled High-Speed MPPT algorithm with continuous tracking

User Interface

Status LED indicators (Solar, Mains, Charging, Fault) + Optional 16x2
Alphanumeric Backlit LCD Display

Energy Management

Automatically prioritizes solar harvesting; supplements with mains charging
only during low solar availability

Applications

Off-grid telecom stations, rural hybrid solar DC power banks, remote security
surveillance