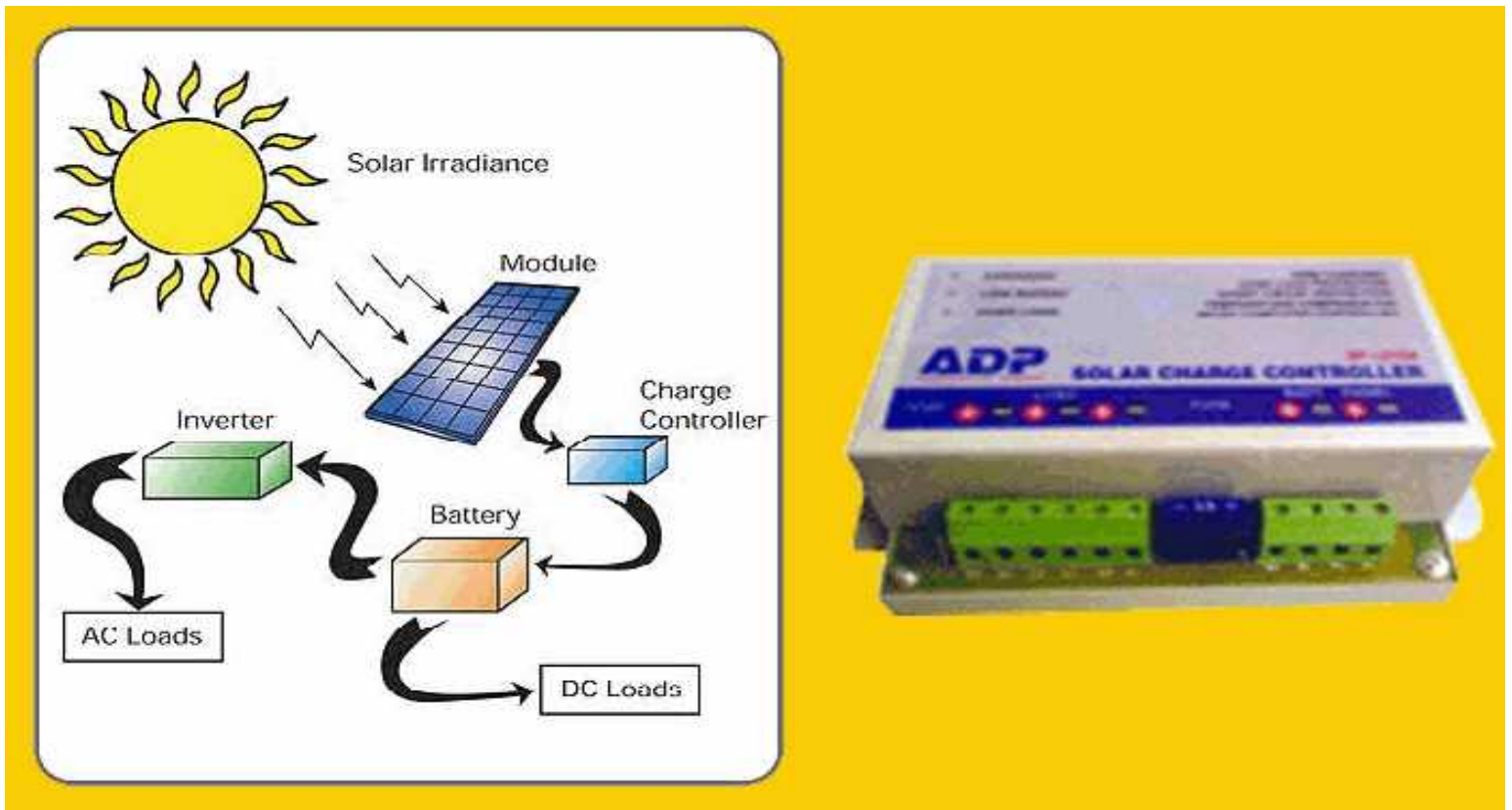


MG POWER

MG POWER Charge controller uses PWM charging Technology, so that as the battery reaches full charge, the PWM pulses slower, gradually tapering off the charge. Pulsing is good for the batteries since it gently mixes the electrolyte, preventing stratification and sulphation. Low voltage disconnect protects the batteries from severe discharge by shutting off loads before the battery voltage drops to damaging levels Temperature compensation adjusts the set point voltages according to the ambient temperature.



- A energy efficient controller for rural/urban solar charging system
- Low Power Load Controller and PWM solar charger in a single unit
- Perfect solution for urban and rural requirements
- Keeps battery healthy for longer period
- Optimum Dawn/Dusk Operation with Timer
- Provision for Temperature Compensation
- Low PV to Battery Drop
- Easy Installation
- Simple Handling

TECHNICAL DATA

Charge Controller Type	SPL2440A
Nominal Voltage	24V/48V/96V
Nominal SPV Power	1200W(24V)/2400W(48V)/4800W(96V)
Self Consumption	<6mA
Battery Charging Unit	40A max
Charging Method	CC-CV
Charge Control	PWM
Over Load Current	>40A
Max Load Current	3 X retted Current
PV to Battery Drop	* 200mv at rated current
Display Indications	LED (Output On, Low Battery, Over Load, Charging)
Connection	Screw Type Connector for 10 Sq mm wire
Installation	Table / wall Mounting
Dimension (L X W X H) in mm	215 X 205 X 65
Box	MS sheet box with non weatherproof power coating
Luminary Degree of Protection	IP 20
Cooling	Natural air cooled
Ambient Temperature	-20°C to +50°C
Temperature Compensation	-.005V/Degree/Cell

TECHNICAL DATA

Charge Controller Type	SPL1220A
Nominal Voltage	12V/24V automatic selected
Nominal SPV Power	300W(12V) / 600W(24V)
Self Consumption	<6mA
Battery Charging Unit	20A max
Charging Method	CC-CV
Charge Control	PWM
Over Load Current	>20A
Max Load Current	3 X retted Current
PV to Battery Drop	* 200mv at rated current
Display Indications	LED (Output On, Low Battery, Over Load, Charging)
Connection	Screw Type Connector for 10 Sq mm wire
Installation	Table / wall Mounting
Dimension (L X W X H) in mm	185 X 130 X 85
Box	MS sheet box with non weatherproof power coating
Luminary Degree of Protection	IP 20
Cooling	Natural air cooled
Ambient Temperature	-20°C to +50°C
Temperature Compensation	-.005V/Degree/Cell

TECHNICAL DATA

Charge Controller Type	SPL1210
Nominal Voltage	12V/24V
Nominal SPV Power	150W(12V) / 300W(24V)
Self Consumption	<6mA
Battery Charging Unit	10A max
Charging Method	CC-CV
Charge Control	PWM
Over Load Current	>10A
Max Load Current	3 X retted Current
Display Indications	LED (Low Battery, Over Load, Charging)
Connection	Screw Type Connector for 4 Sq mm wire
Installation	Table / wall Mounting
Dimension (L X W X H) in mm	170 X 100 X 55
Box	MS sheet box with non weatherproof power coating
Luminary Degree of Protection	IP 20
Cooling	Natural air cooled
Ambient Temperature	-20°C to +50°C
Temperature Compensation	-.005V/Degree/Cell



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