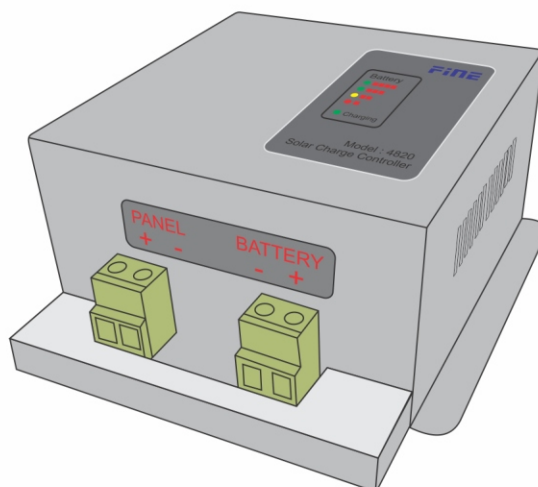


FINETM

Enabling Technology

Solar Charge Controller
12, 24, 36 & 48V



Applications:

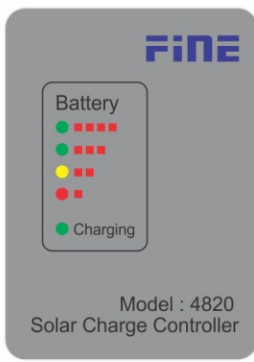
Solar UPS, Solar Home lighting systems,
Solar Power Plants.

Features:

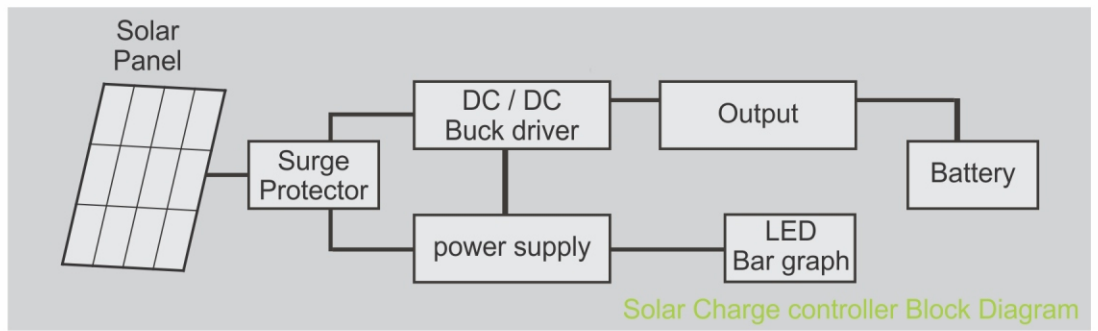
Micro controller based rugged design,
Battery level LED bar graph, Common Negative,
High efficient PWM solar charge controller

Other Products:

- UPS - Online & Home
- UPS - Solar PCU
- UPS Batteries
- Solar Power Plants
- Solar Street Lights
- LED Lights
- Automatic Bell Timers
- Emergency Lights (Industrial & Home)
- LED Sign Boards
- Battery Chargers



Front operator panel



Solar Charge controller Block Diagram

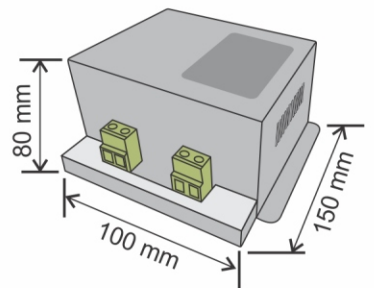
Photovoltaic charge controllers are the main component of solar battery systems. Its main function is to fully charge the battery without permitting overcharging or reverse current flow during night time. Our solar charge controllers are having high efficiency to cultivate energy from solar photovoltaic modules.

Features:

- Micro controller based technology.
- High efficiency buck converter topology.
- Lead acid battery charging algorithms.
- 3 Stage battery charging keeps the battery fully charged & healthy.
- Voltage regulated & current regulated(optional).

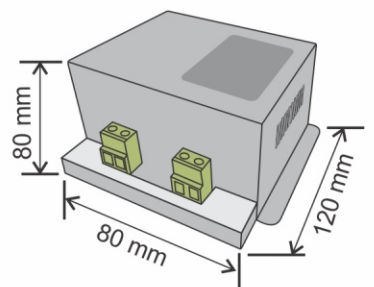
DIMENSIONS:

Model : 4820 & 3620



DIMENSIONS:

Model : 1220 & 2420



Technical Specifications-Solar charge controllers - 12,24,32,48V					
Rated Power		12V/10,20,30A	24V/10,20,30A	36V/10,20,40A	48V/10,20,30A
SOLAR CHARGER	Switching Device	MOSFETS			
	Max.Solar panel voltage	15-21V	30-42V	45-63V	60-84V
	Max.Solar panel voltage	100,200,300W	200,400,650W	300,600,1000W	400,800,1600W
	Solar charger type	PWM	PWM	PWM	PWM
	Charging Method	Bulk, boost, float			
	Regulation volt	14.4/13.7V	28.8/27.4V	43.2/41.1V	57.6/54.8V
	Wave form	Pulsed DC			
	SCC Efficiency	85%			
Overall Efficiency	85%				
DC	Voltage	12	24	36	48
GENERAL	Protections		LCD Monitoring	LED Indications	
	Electronic protections	Fuse Protections	N/A	Battery Level Bar graph Battery Charging Battery low.	
	Reverse battery Reverse panel	Input DC Output DC			
	Case	Sheet metal fabrication.			
	Nature of Cooling	Forced Air Cooling			
	Operating Temp.	0°C to +40°C			
	Noise Level	<40db.			

Specifications may change with out prior notice

FINETECH SYSTEMS

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