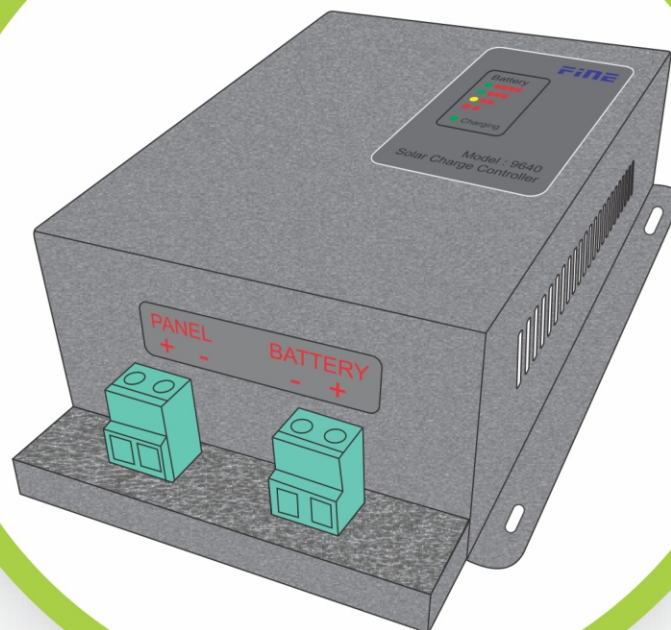


# FINE<sup>TM</sup>

Enabling Technology

Solar Charge Controller  
60, 72, 96 & 120V



## Applications:

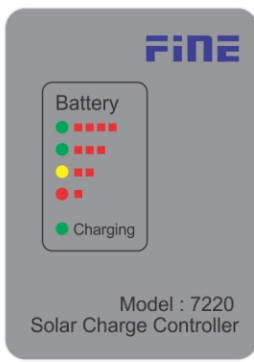
Solar UPS, Solar Home lighting systems,  
Solar Power Plants.

## Features:

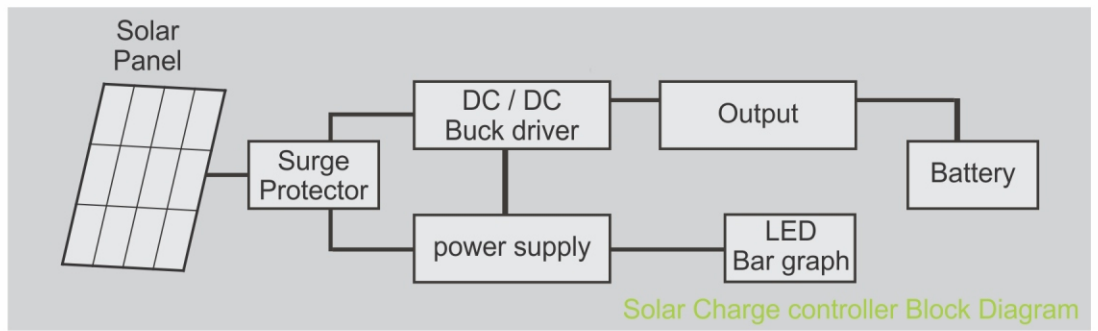
Micro controller based rugged design,  
Battery level LED bar graph, Common Negative,  
High efficient PWM solar charge controller

## 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

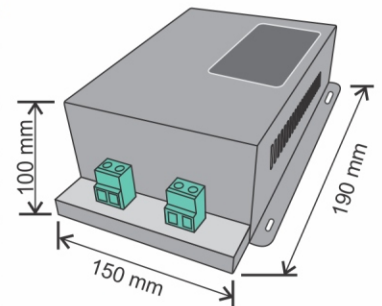
Photovoltaic charge controllers are the main component of solar battery systems. Its main function is to fully charge the battery without permitting overcharging or reverse current flow during night time. Our solar charge controllers are having high efficiency to cultivate energy from solar photovoltaic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

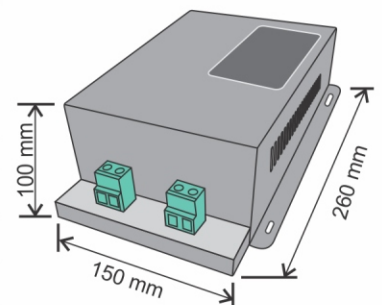
**DIMENSIONS:**

Model : 6020 & 7220



**DIMENSIONS:**

Model : 9620 & 12020



Technical Specifications-Solar charge controllers - 60,72,96&120V					
Rated Power		60V/10,20,30A	72V/10,20,30A	96V/10,20,40A	120V/10,20,30A
SOLAR CHARGER	Switching Device	MOSFETS			
	Max.Solar panel voltage	75-105V	88-125V	120-150V	150-200V
	Max.Solar panel voltage	500,1000,1800W	600,1200,2000W	800,1600,2400W	1800,2000,4400W
	Solar charger type	PWM	PWM	PWM	PWM
	Charging Method	Bulk, boost, float			
	Regulation volt	72/68.5V	86.4/82.2V	115.2/109.6V	144/137V
	Wave from	Pulsed DC			
	SCC Efficiency	85%			
Overall Efficiency	85%				
DC	Voltage	60	72	96	120
GENERAL	Protections		LCD Monitoring	LED Indications	
	Electronic protections	Fuse Protections	N/A	<ul style="list-style-type: none"> <li>● Battery Level bar graph</li> <li>● Battery Charging</li> <li>● Battery low.</li> </ul>	
	<ul style="list-style-type: none"> <li>● Reverse battery</li> <li>● Reverse panel</li> </ul>	<ul style="list-style-type: none"> <li>● Input DC</li> <li>● Output DC</li> </ul>			
	Case	Sheet metal fabricated			
	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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