



**900V Max Voc
Range***



**99.0%
MPPT Efficiency**



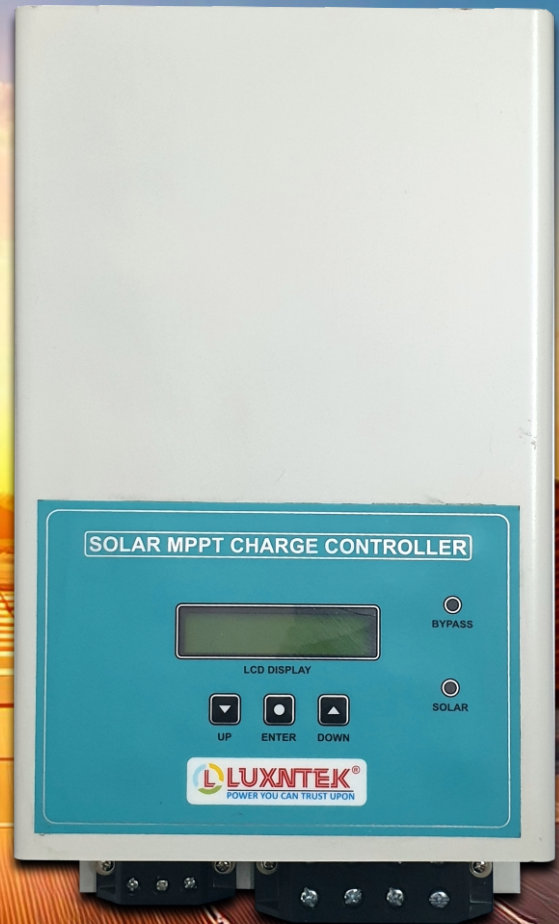
**Automatic
Battery Selection**



**Reverse Solar Panel
Protection**



**Solar Management
System (SMU)**



DSP Based MPPT Solar Charge Controller

User Selectable Parameters

**12V/50A : Max Voc - 110V
24V/50A : Max Voc - 140V
48V/60A : Max Voc - 240V
60V/60A : Max Voc - 300V
72V/60A : Max Voc - 360V**

INDUSTRIAL GRADE RANGE*

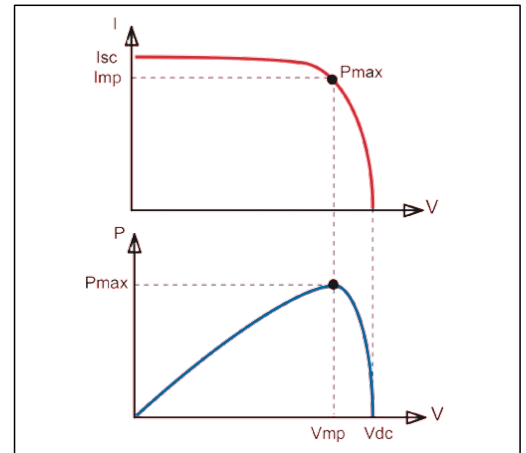
RESIDENTIAL GRADE RANGE

**120V/50-100A : Max Voc 500V
180V/50-100A : Max Voc 500V - 900V
240V/50-100A : Max Voc 500V - 900V**

Maximum Power Point Tracking

Top Curve: Output current (I) of a solar panel as a function of output voltage (V).
 The Maximum Power Point (MPP) is the point Pmax along the curve where the product I x V reaches its peak.

Bottom Curve: Output power $P = I \times V$ of a solar panel as a function of output voltage.
 When using a PWM (not MPPT) solar charge controller the output voltage of the solar panel will be nearly equal to the voltage of the battery, and will be lower than Vmp



RESIDENTIAL GRADE RANGE

INCOV Charge Controller	NISE-1224AS	NISE-4860L24	NISE-6060L30	NISE-7260L36
Battery Voltage (V)	12V/24V Auto Select	48V	60V	72V
No Load Loss	20-30 mA			
Max Solar Input Voltage Voc	12V(110V)/24V(140V)	240V	300V	360V
Rated Solar Charge Current	50A	60A	60A	60A
Max Solar Input Power	12V(800W)/24V(1200W)	3500W	4000W	5000W
Max Load Output Current	50A	60A	60A	60A
Protections				
Overload	Yes			
Panel Reverse Polarity	Yes			
Battery Reverse Polarity	Yes			
Operating Temperature	-35°C - 60°C			
Display	16 x 1 LCD Display			
Connector	Input / Output (Terminal Block)			
Operating Altitude	<3000 Meters			
Net Weight	3.7 Kg	4.0 Kg	5.5 Kg	6.5 Kg
Dimensions (LxWxH) in mm	331.5 x 108 x 183	331.5 x 108 x 183	331.5 x 108 x 183	331.5 x 108 x 183

Solar Products Range

- > Off-Grid Solar Inverter
- > MPPT Charge Controller
- > Solar Battery
- > AC-DB/DC-DB Box
- > Lightening Arrestor
- > Earthing Kit



Dealer Stamp & Sign

 **NISE-TECH SOLUTIONS**

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Mangolpuri | Delhi-110083 (India)

 **Branch Office**

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 **Unit - 2**

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