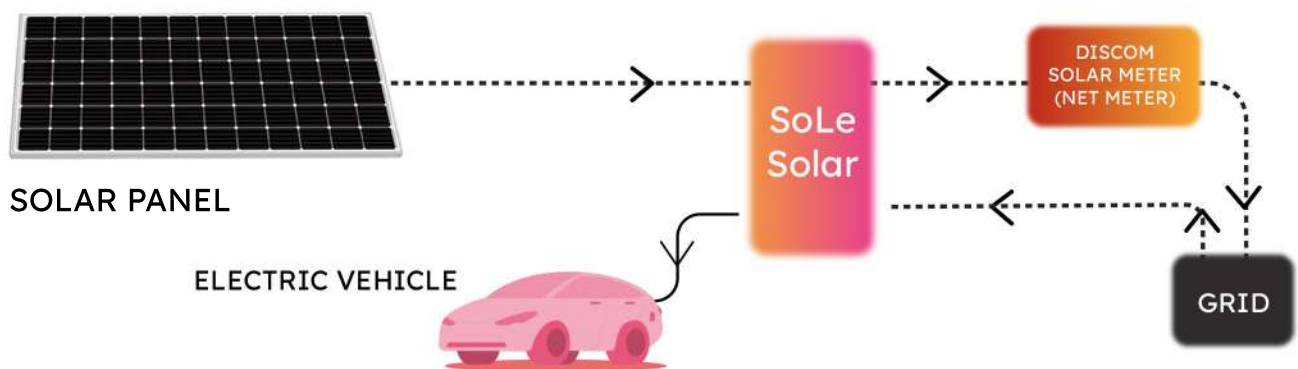
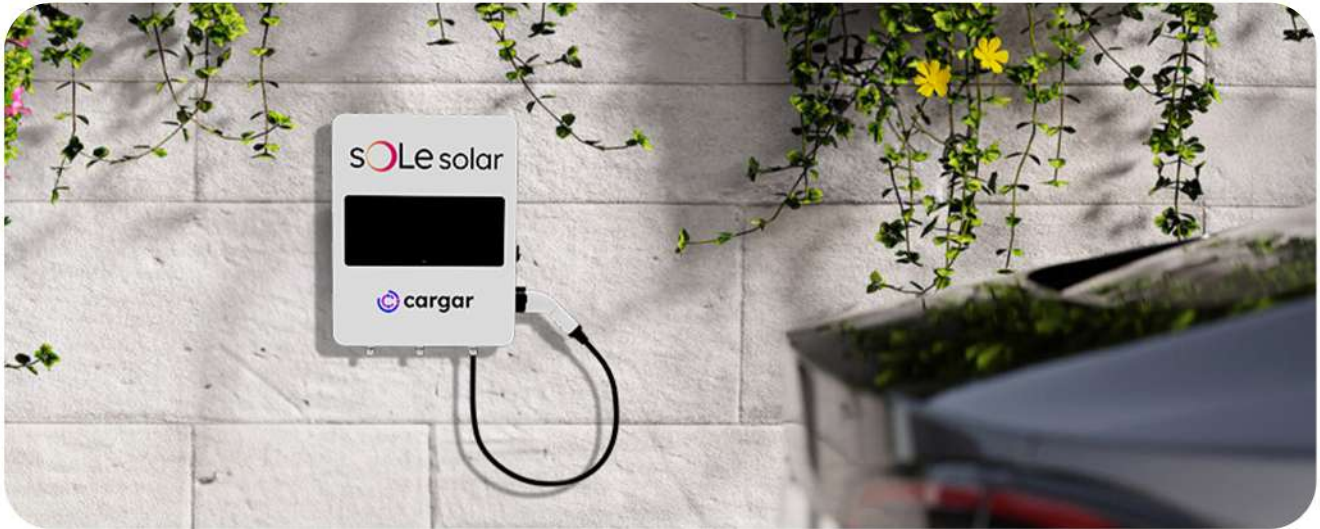


# SOLE solar

India's First Solar Integrated EV AC fast charger




# Why pay for power when the Sun's got your back ?



Cargar's Sole Solar is a solar integrated EV AC fast charger revolutionizes any residential, commercial or corporate facility to charge their electric vehicles by harnessing the power of the sun. By utilizing solar energy, our advanced system inverts solar DC energy to AC current that can be utilised to power home or charging EVs by significantly reducing electricity bills. The system comes with two options: one works in 100% off-grid and another in on-grid format as per the standard for net metering. Its innovative system design and architecture allows for faster charging by combining grid and PV charging simultaneously (in on-grid).

Additionally, Sole Solar simplifies the setup process by integrating the EV charger and PV inverter into a single unit, eliminating the need for separate installations. Whether the users already own an EV or are planning to get one, Sole Solar provides a future-ready solution, making India ready at the grassroots for faster adoption of EVs.


# Why SoLe Solar ?



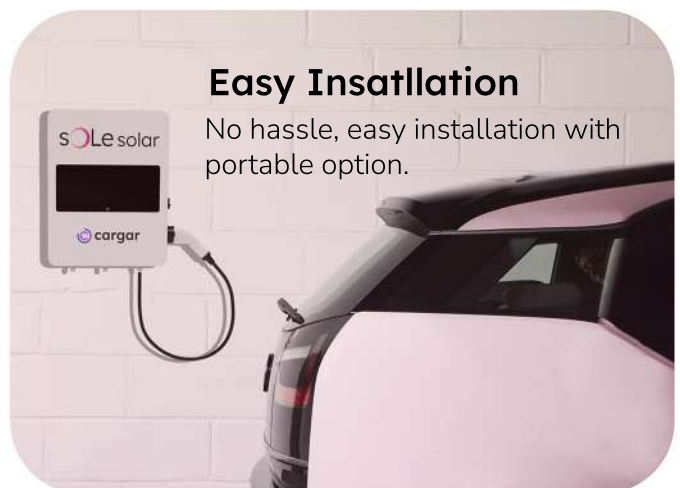
**RFID Card Authentication**  
Integrated RFID Card Authentication.



**Reduced Electricity Bill**  
Greater Savings with Solar energy.




**Off-Grid/On-Grid Option**  
On Grid & Off Grid Options available




**All in 1 Solution**  
for EV Charging



**Net Zero**  
Approach for EV Charging



**OCPP**  
Integrated



**Quick & Easy**  
Commissioning

# Use Cases



Solar Roof top- integrated  
EV charging



Solar shed parking with EV charging

# Technical Specifications

	Sole Solar 3300	Sole Solar 4600	Sole Solar 5000	Sole Solar 5300	Sole Solar 6000	
<b>OUTPUT</b>						
Rated AC Power Output	3300	4600	6000	7600	11400	VA
Max. AC Power Output	3300	5060	6000	7600	11400	VA
AC Output voltage Min,-nom,-Max	220-230-240					Vac
AC Frequency (Nominal)	50/60					Hz
Maximum Continuous output Current	14.3	22	25	32	47.5	A
Displacement Power factor	1					A
Total Harmonic Distortion(THDI, Nomir	<3%					
<b>INPUT</b>						
Maximum DC Power	4950	6900	9300	11800	17650	W
Maximum DC Voltage	500	600	600	600	600	Vdc
Nominal DC Input Voltage	360	360	360	360	360	Vdc
Maximum Input Current	14	14	14	14	14	Adc
Max. Input Short Circuit Current	18	18	18	18	18	Adc
Start-up voltage	60	120	120	120	120	Vdc
No. of MPP Trackers	1	2	2	2	120	
Maximum Inverter Efficiency	97.4					%
MPPT efficiency	99					%

# Technical Specifications

	Sole Solar 3300	Sole Solar 4600	Sole Solar 5000	Sole Solar 5300	Sole Solar 6000
<b>PROTECTION</b>					
DC Reverse Polarity Protection			Yes		
Anti-islanding Protection			Yes		
Insulation Monitoring			Yes		
Residual Current Monitoring			Yes		
AC short circuit protection			Yes		
AC output over current protection			Yes		
AC output over Voltage protection			Yes		
Surge protection			Type II(DC)/ Type II(AC)		
temperature protection			Yes		
<b>STANDARD COMPLIANCE</b>			IEC 62190-1/2		
safety			IEC 61000-6-1/IEC 61000-6-2/IEC 61000-6-3		
EMC			EN 50549; C10/11; IEC 61727; ABNT NBR 16149/16150; IEC62116		
Certification					

# Technical Specifications

EV CHARGER SPECIFICATIONS		
Charging Level & Connector	AC Level 2 (CCS T2)	
Rated AC Power output	7.4 kW	
Input Voltage	230VAC +/- 10%	
AC input connection	P+N+PE	
Frequency	50 Hz	
Current rating	32Amps	
Number of Connector	Single	
RFID Authentication	Yes	
Display	Optional	
Communication Network	GSM Modem (4G LTE fall-back to 2G) & WiFi	
Energy Measurement	Built-in CT	
Operating/Storage Temperature	0 C to + 70 C	
Humidity	5 to 95%	
Cable length	5 m	
Device base (3.3kW) dimension*	600mm X 490mm X 200mm	
*the dimension will vary as per the selected inverter specs		
<p><i>Notes: The Sole solar system works in an on-grid format and has to be connected with the grid as per the net-metering guidelines.</i></p> <p><i>The device has a built-in power distribution for DC solar input and AC output (to be connected with the net meter). The AC input of 32Amps shall be separately given to the device from the grid for EV charging.</i></p>		



[www.cargar.in](http://www.cargar.in)

All images and details provided should be used as a guide only and are subject to change at the manufacturer's discretion. Customer specifications are available on request. For full information and pricing, please visit [cargar.in](http://cargar.in)

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