Solar

7kW / 22kW

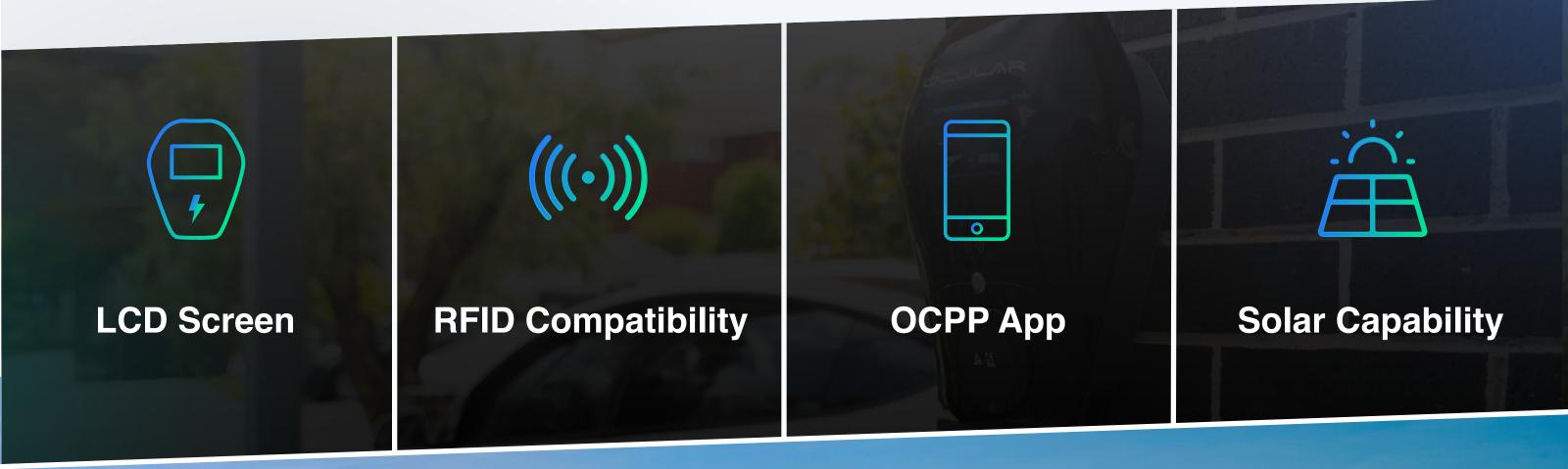


Charging ahead, Powering tomorrow.

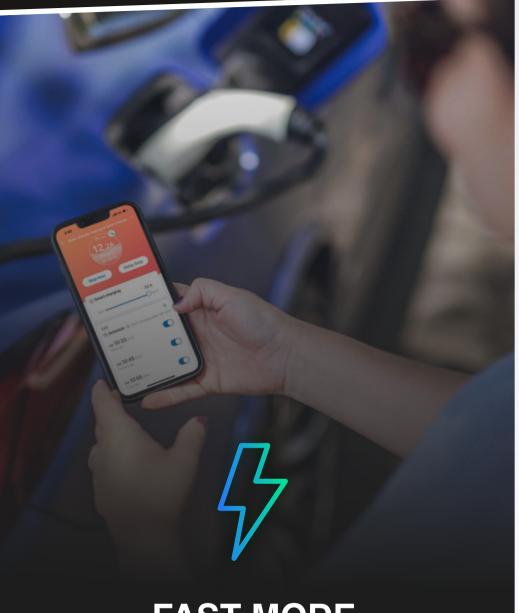
Welcome to the future of charging with the IQ Solar, our cutting-edge charging solution is designed to meet the needs of modern electric vehicle owners, offering versatility, efficiency, and convenience at their doorstep. The IQ Solar comes in both single-phase (7kW) and three-phase (22kW) configurations and is compatible with all electric vehicles in Australia.

The system comes with CT clamps to measure your solar production excess, which enables you to charge with green, free electricity from your solar panels, and protects your home from overloading. The inclusion of a 2.8-inch LCD screen not only provides peace of mind but also enhances functionality with RFID card compatibility. Additionally, there's the flexibility of opting for a socketed version that offers unparalleled ease of use.

The IQ Solar has three different charging modes to suit your individual needs and solar production levels. Built to withstand the Australian elements, it comes with IP55 protection, ensuring reliable performance in any weather conditions. The unit's compact design makes it ideal for residential settings, allowing for easy installation and seamless integration into your home. Equipped with a 5m type 2 cable, the charger offers convenient and hassle-free charging for your EV.

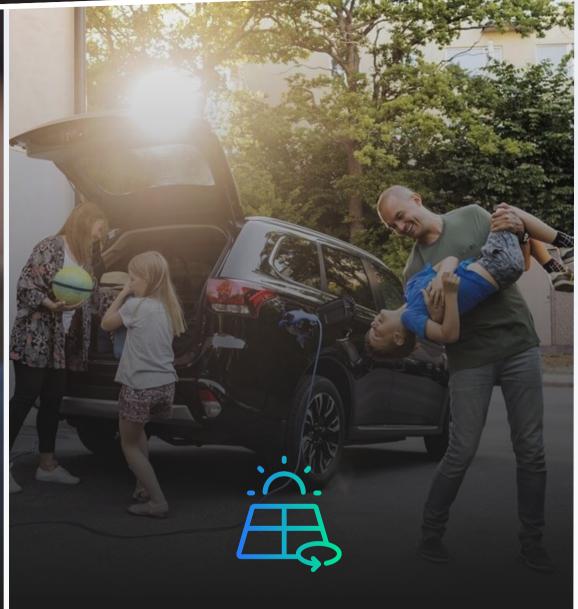






FAST MODE

Maximum power from a renewable energy source or grid power



SOLAR ASSIST MODE

Minimum of 6 Amps plus any excess solar produced



power is produced



Designed to create enduring value for Australian homes offering flexibility and efficiency while combining advanced technology with user-friendly features.

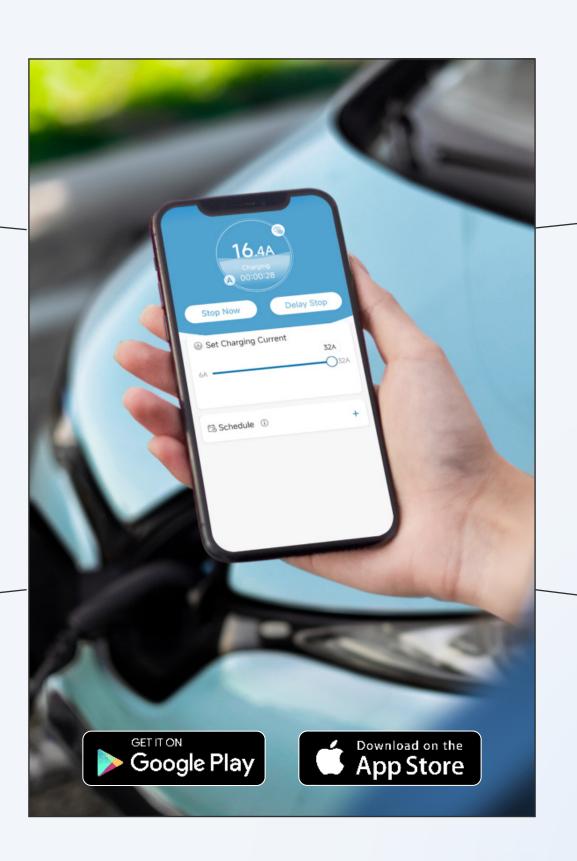
OCULAR SMART HOME APP



Initiate and schedule charging sessions



Solar power consumption monitoring





Intelligent charging with Ocular app



Charging session history



OCULAR IQ SOLAR

DATASHEET

Input Voltage & Current	Model Number	IOCAH15-7T	IOCAH15-22T
Charging Connector Current Transformers Included 1 3 Current Transformer Specifications 20m cable, Fits 16mm diameter cable up to 100A max current Power Output 7.2kW (1- Phase) 22kW (3- Phase) Output Voltage Output Current 32A MAX per phase User Interaction OCPP Compatibility 1.6J and 2.0.1 (firmware upgrade) Operating Temperature 30°C to +50°C in operation Storage Temperature 40°C to +70°C in storage Working Humidity Fating IP Rating IP Rating IPS5 Internal RCD 30mA AC & 6mA DC Electrical Protection Cover current, Short circuit, Over voltage, Under voltage, Ground fault, Lightning surge, Over temperature Internet Connection Ethernet, Wi-Fi Mounting Dimension (H x W x D, mm) Net Weight Recommended Cable Size (50m run) Recommended Cricuit Breaker 40A single phase type A RCBO CE, IEC /EN 61851-21-2, RCM	Input Voltage & Current	230V± 20%, 32A per phase	
Current Transformers Included Current Transformer Specifications 20m cable, Fits 16mm diameter cable up to 100A max current power Output 7.2kW (1- Phase) 22kW (3- Phase) Output Voltage Output Current 32A MAX per phase User Interaction OCPP Compatibility Operating Temperature Storage Temperature Working Humidity Fating Internal RCD Some Ac & 6mA DC Electrical Protection Cover current, Short circuit, Over voltage, Under voltage, Ground fault, Lightning surge, Over temperature Energy Meter Internet Connection Ethernet, Wi-Fi Mounting Dimension (H x W x D, mm) Net Weight Recommended Cable Size (50m run) Certification Certification Certification 10mm2 2C+E Certification 20m cable, Fits 16mm diameter cable up to 100A max current ble up to 400A three phase type A RCBO Certification	Frequency (Hz)	50/60Hz	
Current Transformer Specifications 20m cable, Fits 16mm diameter cable up to 100A max current Power Output 7.2kW (1- Phase) 230V ± 20% 400V ± 20% Output Current 32A MAX per phase User Interaction Mobile App, Physical button OCPP Compatibility 1.6J and 2.0.1 (firmware upgrade) Operating Temperature -30°C to +50°C in operation Storage Temperature Working Humidity 5% - 95% relative humidity, non-condensing IP Rating IP55 Internal RCD 30mA AC & 6mA DC Electrical Protection Cover current, Short circuit, Over voltage, Under voltage, Ground fault, Lightning surge, Over temperature Integrated Internet Connection Ethernet, Wi-Fi Mounting Dimension (H x W x D, mm) Net Weight A.5kg 4.7kg Recommended Cable Size (50m run) Recommended Circuit Breaker 40A single phase type A RCBO Certification Certification 22kW (3- Phase) 22kW (3- Phase) 400V ± 20% 400V ± 20% 400 throad 400 thro	Charging Connector	IEC62196 Type-2 5m cable	
Power Output 7.2kW (1- Phase) 22kW (3- Phase) Output Voltage 230V ± 20% 400V ± 20% Output Current 32A MAX per phase User Interaction Mobile App, Physical button OCPP Compatibility 1.6J and 2.0.1 (firmware upgrade) Operating Temperature -30°C to +50°C in operation Storage Temperature 40°C to +70°C in storage Working Humidity Frequency Working Humidity IP Rating IP55 Internal RCD 30mA AC & 6mA DC Electrical Protection Cover current, Short circuit, Over voltage, Under voltage, Ground fault, Lightning surge, Over temperature Energy Meter Integrated Internet Connection Ethernet, Wi-Fi Mounting Dimension (H x W x D, mm) 398 * 285 * 226 mm Net Weight 4.5kg 4.7kg Recommended Cable Size (50m run) 10mm2 2C+E 10mm2 4C+E Recommended Circuit Breaker CE, IEC /EN 61851-1, IEC 61008-1-A1, IEC 62955-1-A1, IEC/EN 61851-21-2, RCM	Current Transformers Included	1	3
Output Voltage Output Current 32A MAX per phase User Interaction Mobile App, Physical button OCPP Compatibility 1.6J and 2.0.1 (firmware upgrade) Operating Temperature -30°C to +50°C in operation Storage Temperature -40°C to +70°C in storage Working Humidity IP Rating IPS5 Internal RCD Soma AC & 6mA DC Electrical Protection Cover current, Short circuit, Over voltage, Under voltage, Ground fault, Lightning surge, Over temperature Energy Meter Integrated Internet Connection Ethernet, Wi-Fi Mounting Dimension (H x W x D, mm) Net Weight 4.5kg 4.7kg Recommended Cable Size (50m run) Recommended Circuit Breaker CE, IEC /EN 61851-1, IEC 61008-1-A1, IEC 62955-1-A1, IEC/EN 61851-21-2, RCM	Current Transformer Specifications	20m cable, Fits 16mm diameter cable up to 100A max current	
Output Current User Interaction Mobile App, Physical button OCPP Compatibility 1.6J and 2.0.1 (firmware upgrade) Operating Temperature -30°C to +50°C in operation Storage Temperature -40°C to +70°C in storage Working Humidity 5% - 95% relative humidity, non-condensing IP Rating Internal RCD Soma AC & 6mA DC Electrical Protection Over current, Short circuit, Over voltage, Under voltage, Ground fault, Lightning surge, Over temperature Energy Meter Integrated Internet Connection Ethernet, Wi-Fi Mounting Dimension (H x W x D, mm) Net Weight 4.5kg 4.7kg Recommended Cable Size (50m run) Recommended Circuit Breaker CE, IEC /EN 61851-1, IEC 61008-1-A1, IEC 62955-1-A1, IEC/EN 61851-21-2, RCM	Power Output	7.2kW (1- Phase)	22kW (3- Phase)
User Interaction Mobile App, Physical button OCPP Compatibility 1.6J and 2.0.1 (firmware upgrade) Operating Temperature -30°C to +50°C in operation Storage Temperature -40°C to +70°C in storage Working Humidity 5% - 95% relative humidity, non-condensing IP Fating IP55 Internal RCD 30mA AC & 6mA DC Electrical Protection Over current, Short circuit, Over voltage, Under voltage, Ground fault, Lightning surge, Over temperature Energy Meter Integrated Internet Connection Ethernet, Wi-Fi Mounting Wall-Mount Dimension (H x W x D, mm) 398 * 285 * 226 mm Net Weight 4.5kg 4.7kg Recommended Cable Size (50m run) 10mm2 2C+E 10mm2 4C+E Recommended Circuit Breaker 40A single phase type A RCBO CE, IEC /EN 61851-1, IEC 61008-1-A1, IEC 62955-1-A1, IEC/EN 61851-21-2, RCM	Output Voltage	230V ± 20%	400V ± 20%
OCPP Compatibility Operating Temperature -30°C to +50°C in operation Storage Temperature -40°C to +70°C in storage Working Humidity 5% - 95% relative humidity, non-condensing IP Rating Internal RCD 30mA AC & 6mA DC Electrical Protection Over current, Short circuit, Over voltage, Under voltage, Ground fault, Lightning surge, Over temperature Energy Meter Integrated Internet Connection Ethernet, Wi-Fi Mounting Wall-Mount Dimension (H x W x D, mm) Net Weight A.5kg A.7kg Recommended Cable Size (50m run) Recommended Circuit Breaker CE, IEC /EN 61851-1, IEC 61008-1-A1, IEC 62955-1-A1, IEC/EN 61851-21-2, RCM	Output Current	32A MAX per phase	
Operating Temperature Storage Temperature -40°C to +50°C in operation -40°C to +70°C in storage Working Humidity 5% - 95% relative humidity, non-condensing IP Rating IP55 Internal RCD 30mA AC & 6mA DC Electrical Protection Over current, Short circuit, Over voltage, Under voltage, Ground fault, Lightning surge, Over temperature Energy Meter Integrated Internet Connection Ethernet, Wi-Fi Mounting Wall-Mount Dimension (H x W x D, mm) 398 * 285 * 226 mm Net Weight 4.5kg 4.7kg Recommended Cable Size (50m run) Recommended Circuit Breaker 40A single phase type A RCBO Certification CE, IEC /EN 61851-1, IEC 61008-1-A1, IEC 62955-1-A1, IEC/EN 61851-21-2, RCM	User Interaction	Mobile App, Physical button	
Storage Temperature -40°C to +70°C in storage Working Humidity 5% - 95% relative humidity, non-condensing IP Rating IP55 Internal RCD 30mA AC & 6mA DC Electrical Protection Over current, Short circuit, Over voltage, Under voltage, Ground fault, Lightning surge, Over temperature Energy Meter Integrated Internet Connection Ethernet, Wi-Fi Mounting Wall-Mount Dimension (H x W x D, mm) 398 * 285 * 226 mm 398 * 285 * 226 mm Net Weight 4.5kg 4.7kg Recommended Cable Size (50m run) Recommended Circuit Breaker 40A single phase type A RCBO Certification CE, IEC /EN 61851-1, IEC 61008-1-A1, IEC 62955-1-A1, IEC/EN 61851-21-2, RCM	OCPP Compatibility	1.6J and 2.0.1 (firmware upgrade)	
Working Humidity IP Rating IP55 Internal RCD SomA AC & 6mA DC Electrical Protection Over current, Short circuit, Over voltage, Under voltage, Ground fault, Lightning surge, Over temperature Energy Meter Integrated Internet Connection Ethernet, Wi-Fi Mounting Wall-Mount Dimension (H x W x D, mm) Net Weight 4.5kg 4.7kg Recommended Cable Size (50m run) 10mm2 2C+E Recommended Circuit Breaker Certification Certification SomA AC & 6mA DC Over current, Short circuit, Over voltage, Under voltage, Ground fault, Lightning surge, Over temperature Wall-Mount 10megrated 1ntegrated 20x 1-Fi 40A Integrated 4.7kg 4.	Operating Temperature	-30°C to +50°C in operation	
IP Rating Internal RCD 30mA AC & 6mA DC Electrical Protection Cover current, Short circuit, Over voltage, Under voltage, Ground fault, Lightning surge, Over temperature Energy Meter Integrated Internet Connection Ethernet, Wi-Fi Mounting Wall-Mount Dimension (H x W x D, mm) Net Weight A.5kg A.7kg Recommended Cable Size (50m run) 10mm2 2C+E 10mm2 4C+E Recommended Circuit Breaker Certification CE, IEC /EN 61851-1, IEC 61008-1-A1, IEC 62955-1-A1, IEC/EN 61851-21-2, RCM	Storage Temperature	-40°C to +70°C in storage	
Internal RCD Cover current, Short circuit, Over voltage, Under voltage, Ground fault, Lightning surge, Over temperature Integrated Internet Connection Internet Connection Mounting Wall-Mount Dimension (H x W x D, mm) Net Weight Recommended Cable Size (50m run) Recommended Circuit Breaker Certification Over current, Short circuit, Over voltage, Under voltage, Ground fault, Lightning surge, Over temperature Integrated Integrated Wall-Mount Wall-Mount 398 * 285 * 226 mm 398 * 285 * 226 mm 4.5kg 4.7kg Recommended Cable Size (50m run) 10mm2 2C+E 10mm2 4C+E Recommended Circuit Breaker 40A single phase type A RCBO 40A three phase type A RCBO CE, IEC /EN 61851-1, IEC 61008-1-A1, IEC 62955-1-A1, IEC/EN 61851-21-2, RCM	Working Humidity	5% - 95% relative humidity, non-condensing	
Electrical Protection Over current, Short circuit, Over voltage, Under voltage, Ground fault, Lightning surge, Over temperature Integrated Internet Connection Ethernet, Wi-Fi Mounting Wall-Mount Dimension (H x W x D, mm) Net Weight A.5kg Recommended Cable Size (50m run) Tomm2 2C+E Recommended Circuit Breaker CE, IEC /EN 61851-1, IEC 61008-1-A1, IEC 62955-1-A1, IEC/EN 61851-21-2, RCM	IP Rating	IP55	
Energy Meter Integrated Internet Connection Ethernet, Wi-Fi Mounting Wall-Mount Dimension (H x W x D, mm) 398 * 285 * 226 mm 398 * 285 * 226 mm Net Weight 4.5kg 4.7kg Recommended Cable Size (50m run) 10mm2 2C+E 10mm2 4C+E Recommended Circuit Breaker 40A single phase type A RCBO 40A three phase type A RCBO Certification CE, IEC /EN 61851-1, IEC 61008-1-A1, IEC 62955-1-A1, IEC/EN 61851-21-2, RCM	Internal RCD	30mA AC & 6mA DC	
Internet Connection Ethernet, Wi-Fi Wall-Mount Dimension (H x W x D, mm) Net Weight Recommended Cable Size (50m run) Recommended Circuit Breaker 40A single phase type A RCBO Certification Ethernet, Wi-Fi Wall-Mount 398 * 285 * 226 mm 398 * 285 * 226 mm 4.7kg 10mm2 2C+E 10mm2 4C+E 40A single phase type A RCBO CE, IEC /EN 61851-1, IEC 61008-1-A1, IEC 62955-1-A1, IEC/EN 61851-21-2, RCM	Electrical Protection		
Mounting Wall-Mount Dimension (H x W x D, mm) Net Weight A.5kg 4.7kg Recommended Cable Size (50m run) Recommended Circuit Breaker 40A single phase type A RCBO Certification Wall-Mount 4.7kg 4.7kg 4.7kg 40A three phase type A RCBO CE, IEC /EN 61851-1, IEC 61008-1-A1, IEC 62955-1-A1, IEC/EN 61851-21-2, RCM	Energy Meter	Integrated	
Dimension (H x W x D, mm) Net Weight A.5kg 4.7kg Recommended Cable Size (50m run) Recommended Circuit Breaker 40A single phase type A RCBO Certification CE, IEC /EN 61851-1, IEC 61008-1-A1, IEC 62955-1-A1, IEC/EN 61851-21-2, RCM	Internet Connection	Ethernet, Wi-Fi	
Net Weight A.5kg 4.7kg Recommended Cable Size (50m run) 10mm2 2C+E 10mm2 4C+E Recommended Circuit Breaker 40A single phase type A RCBO CE, IEC /EN 61851-1, IEC 61008-1-A1, IEC 62955-1-A1, IEC/EN 61851-21-2, RCM	Mounting	Wall-Mount	
Recommended Cable Size (50m run) 10mm2 2C+E 10mm2 4C+E Recommended Circuit Breaker 40A single phase type A RCBO 40A three phase type A RCBO CE, IEC /EN 61851-1, IEC 61008-1-A1, IEC 62955-1-A1, IEC/EN 61851-21-2, RCM	Dimension (H x W x D, mm)	398 * 285 * 226 mm	398 * 285 * 226 mm
Recommended Circuit Breaker 40A single phase type A RCBO 40A three phase type A RCBO CE, IEC /EN 61851-1, IEC 61008-1-A1, IEC 62955-1-A1, IEC/EN 61851-21-2, RCM	Net Weight	4.5kg	4.7kg
Certification CE, IEC /EN 61851-1, IEC 61008-1-A1, IEC 62955-1-A1, IEC/EN 61851-21-2, RCM	Recommended Cable Size (50m run)	10mm2 2C+E	10mm2 4C+E
IEC/EN 61851-21-2, RCM	Recommended Circuit Breaker	40A single phase type A RCBO	40A three phase type A RCBO
	Certification		
Warranty 2 years	Warranty	2 years	

POWERING THE JOURNEYS OF AUSTRALIA



2500+

homes enabled with ev charging



65+

electric vehicle variants compatible



\$150K+

cumulative cost savings

