



NexSolar



Pole not included

The NexSolar is a sophisticated energy storage solution designed to provide seamless power during grid outages. Unlike traditional generators, NexSolar systems focus on high-efficiency lithium-ion technology to store energy from either the utility grid or renewable sources like solar panels.



Zero Grid Dependency

3 days of autonomy - no sun required

Built-in LFP battery with 90% depth of discharge keeps your cameras running through extended overcast periods.



Built for Australian Conditions

IP55 rated, 4000-cycle LFP Battery

Outdoor-rated enclosure handles heat, humidity, and pole mounting - sized for any Australian city; from Steep Point to Cape Byron



Right-Sized for CCTV

Three kit configurations matched to your camera's power draw, with examples for popular hanwha models.



Truly Plug-and-Play

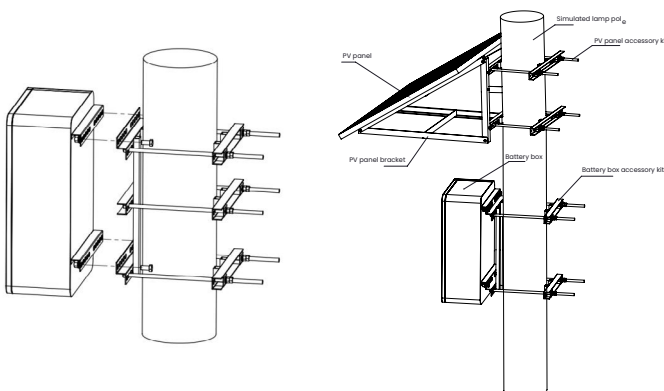
MPPT charging, RS485 comms, no electrician needed

Integrated solar controller, DC converter, and automatic power recovery - everything in one-pole mounted cabinet



- Quick charge
- Multiple protection
- Smart BMS

3 YEAR WARRANTY



NEXSOLAR-15W-V1

100Ah Battery,
150W PV Module

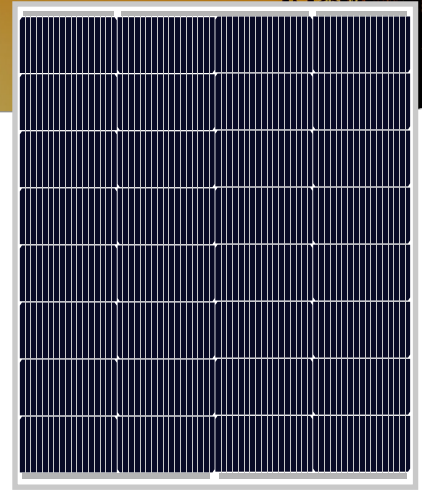
NEXSOLAR-20W-V1

150Ah Battery,
200W PV Module

NEXSOLAR-30W-V1

200Ah Battery,
300W PV Module

Solar Panel Description



Electrical Characteristics	150 Watt	100 Watt
Module Type	150M12 STC	100M12 STC
Maximum Power- Pmax(W)	150	100
Open Circuit Voltage - Voc(V)	22.30	21.00
Short- Circuit Current - Isc(A)	8.16	5.50
Voltage at Pmax -Vmp(V)	19.20	17.80
Current at Pmax - Imp(A)	7.81	5.62
Module Efficiency - η m(%) Power	21.67	19.50
Tolerance(W)	0, +4.99W	
Maximum System Voltage(V)	700Vdc (IEC / UL)	
Maximum Series Fuse Rating (A)	15A	
External Dimensions	905*765*25mm	630*765*30mm
Weight	7.52kg	5.5kg

150 Watt 150M12
182mm 32Cells PV Module

100 Watt 100M12
182mm 20Cells PV Module

CCTV Solar Kit Selection Guide

Site location: Sydney, Brisbane, Perth

	NexSolar-15W-v1	NexSolar-20W-v1	NexSolar-30W-v1
Ideal for a camera with power consumption	<7W Typical	<12W Typical	<22W Typical
Example	QNO-C8013R QNO-8010R QNE-8011R	QNE-C9013RL QNO-C9083R XNO-A9084R	PNM-C12083RVD PNM-C16013RVQ QNP-6250R
Battery	1280Wh 90% DoD 100Ah 12.8V	1920Wh 90% DoD 150Ah 12.8V	2560Wh 90% DoD 200Ah 12.8V
Solar Panel	150W	200W (2 x 100W)	300W (2 x 150W)
Autonomy (days, no sun):		3 days	
Recovery days (sunny days to refill)		3.5 days	

Site location: Melbourne

	NexSolar-15W-v1	NexSolar-20W-v1	NexSolar-30W-v1
Ideal for a camera with power consumption	<4W	<7W	<12W
Example		QNO-8010R QNO-C8013R QNE-C9013RL	XNO-A9084R PNM-7082RVD
Battery	1280Wh 90% DoD 100Ah 12.8V	1920Wh 90% DoD 150Ah 12.8V	2560Wh 90% DoD 200Ah 12.8V
Solar Panel	150W	200W (2 x 100W)	300W (2 x 150W)
Autonomy (days, no sun):		3 days	

Other Components Included

Type	Model
Controller	Raspberry Pi 4
Storage	1TB SSD
4G Router	IR302

Type	Model
PoE Switch	TSW101
DC Converter	12/24 to 5 V DC converter
Data Converter	USB to RS485 converter



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