

Solar Power Supply Kit

The Intech Solar Power Kit is designed to provide field equipment with a 12Vdc supply in situations where mains power supply is not feasible.

20W Solar Kit.

Suitable for any Z-2400 wireless node.



60W Solar Kit.

Suitable for multiple Z-2400 wireless nodes, and/or limited power supply for auxiliary instrumentation.



Pole Diameter: 50~110mm.

Recommended Solar Kit Components:

20W Solar Kit: 1 x 20Watt Solar Panel, 1 x Solar Charge Controller 5A, 1 x 17Ah Battery, 1 x Outdoor Enclosure, and 2x 5m of Cable to connect Solar Panel.

60W Solar Kit: 1 x 60Watt Solar Panel, 1 x Solar Charge Controller 10A, 1 x 35Ah Battery, 1 x Outdoor Enclosure, and 2x 5m of Cable to connect Solar Panel.

**Poles for mounting the solar panel & enclosure on are not included as part of the solar kits.*



Solar Panels



Charging Controller



SLA Battery



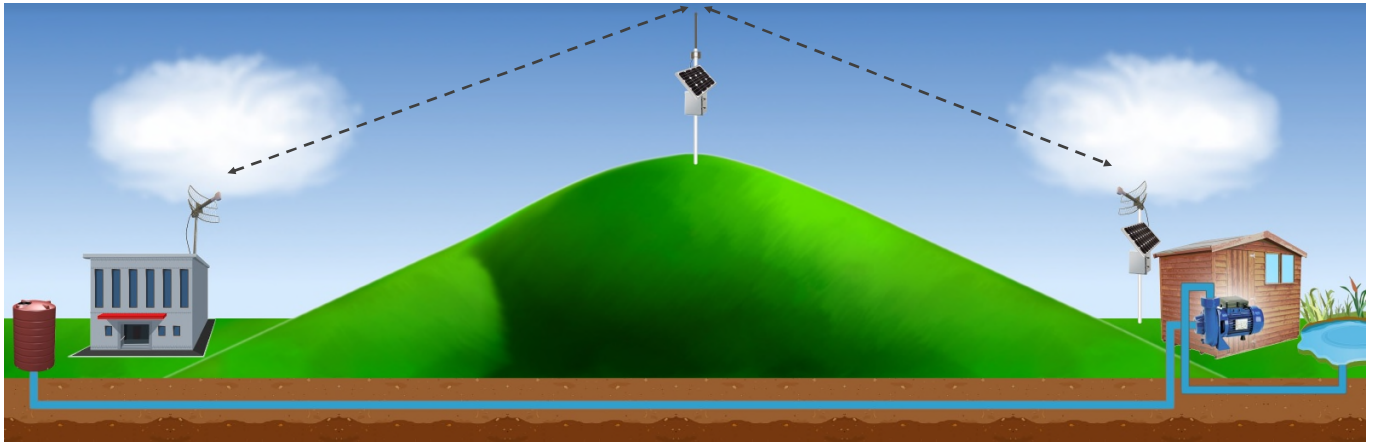
Outdoor Enclosure



5m Cable

Solar Power Application

Using solar power to supply low voltage to wireless communications in remote areas where mains power is not available.



Ordering Information for Solar Parts:

ITEM	CODE		DESCRIPTION
SERIES	INSO -		
Solar Panel	SP20		20Watt Solar Panel with Pole Mounting Brackets and 5m Cable.
	SP60		60Watt Solar Panel with Pole Mounting Brackets and 5m Cable.
Controller	SOLCON-5		5A Charge Controller.
	SOLCON-10		10A Charge Controller with Temperature Compensation.
Battery	17AHBATT		17Ah, 12V Sealed Lead Acid Battery, with M5 Terminal.
	35AHBATT		35Ah, 12V Sealed Lead Acid Battery, with M6 Terminal.

Specifications:

Solar Panel:	Poly-crystalline with MC4 Connectors.
60W Panel Dimensions	L=771, W=665, D=30mm.
20W Panel Dimensions	L=545, W=290, D=22mm.
Battery:	12V Sealed Lead Acid.
17Ah	L=181, W=77, H=167mm. 6.22Kg.
35Ah	L=196, W=131, H=167mm. 11.5Kg.
Operating Temperature Range	0~40°C or -15~50°C with Temperature Compensation.
Solar Charge Controllers:	12V, 5A PWM Controller.
	12V, 10A PWM Controller with Temperature Compensation.
Cable:	2x 5metres - 4mm ² with MC4 Connectors.
Weather Proof Enclosure:	NEMA 4X.
External Dimensions	H=393, W=342, D=195mm.
Internal Dimensions	H=343, W=292, D=147mm.
Pole Diameter:	Must be within 50~110mm.

Product Liability. This information describes our products. It does not constitute guaranteed properties and is not intended to affirm the suitability of a product for a particular application. Due to on-going research and development, designs, specifications, and documentation are subject to change without notification. Regrettably, omissions and exceptions cannot be completely ruled out. No liability will be accepted for errors, omissions or amendments to this specification. Technical data are always specified by their average values and are based on Standard Calibration Units at 25C, unless otherwise specified. Each product is subject to the 'Conditions of Sale'.

Warning: These products are not designed for use in, and should not be used for patient connected applications. In any critical installation an independent fail-safe back-up system must always be implemented.