

TCS Solar Kit

12vDC with battery backup

TCS Instruments' Solar Kits provide convenient highly reliable power to your most remote applications. Our kits can be customised to your specific needs or select a preassembled kit from our ready-to-go range. These kits eliminate the need for conduit, cables, and other necessary infrastructure required in grid power applications.



Reliable Operation

Kits include a pre-wired NEMA 3R weather proof enclosure with charge controller and protection circuitry. They are constructed from quality components and built to withstand harsh weather conditions. The enclosure also has extra space to mount your wireless and sensor equipment.

Benefits

- Reliable power year round
- Pre-wired with specially matched components
- Pre-assembled, ready to install
- Built to withstand harsh weather conditions
- Short circuit and surge protection pre-installed
- Pole mounts included (pole not included)

Applications

- Traffic monitoring
- Wireless tank/well or river/ground water level monitoring
- Weather stations
- Telecommunication equipment/signal repeaters

Technical Specifications

Solar Panel	Class 1, Div 2 approved 25-year warranty
Battery	12V, non-spill, deep-cycle gel batteries Valve regulated sealed lead acid (VRLA), maintenance free Operating temperature: -40 to 72 °C 1-year warranty
Charge Controller	Class 1, Div 2, Groups A,B,C,D 12V rating Regulation Voltage: 14.1V Load disconnect: 11.5V LVD reconnect: 12.6V Temperature compensation: -28 mV/°C Operating temperature: -40 to 85°C
Enclosure	NEMA 3R weatherproof Short circuit protection included 5 kA surge protection lightning arrestor
Mounting	Pole is not included Pole mounts are included

Standard Kits

TCS Part Number	Solar Panel (W)	Battery (Ah)	Solar Amp Hrs / Day 5+	Solar Amp Hrs / Day 4	Solar Amp Hrs / Day 3	Solar Amp Hrs / Day 2	Solar Amp Hrs / Day 1.5	Solar Amp Hrs / Day 1
TCS-SPK-020	20	37	5.29	4.24	3.18	2.24	1.68	1.12
TCS-SPK-030	30	58	7.94	6.35	4.76	3.35	2.51	1.68
TCS-SPK-040	40	58	10.59	8.47	6.35	4.47	3.35	2.24
TCS-SPK-050	50	99	13.24	10.59	7.94	5.59	4.19	2.79
TCS-SPK-065	65	99	17.21	13.76	10.32	7.26	5.45	3.63
TCS-SPK-085	85	99	22.5	18	13.5	9.5	7.13	4.75

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