



# Sun-In-One™

New Electrical Solar Light and Power Products



## Solar Power Unit Kit 5 for Traffic Flow and Monitoring

### Low Voltage DC – 30 Watts for 24 Hours



Sun-In-One's Solar Power Unit Kit is perfect for arterial and freeway traffic data collection. Provides accurate Volume, Occupancy and Speed reports. These real-time traffic data measures enable monitoring of congestion to optimize your traffic operations. Whether you are updating a single intersection

or integrating an entire smart city project, Sun-In-One provides everything you need for accurate traffic detection.

#### SPECIFICATIONS

##### SOLAR

POWER	(1) 300 Watt Solar Panel
VOLTAGE (VOC)/CURRENT (IMP)	22.0 Volts DC, 5.42 Amps
MODULE EFFICIENCY	15.6%
CERTIFICATIONS	ETL UL, TUV, CE, ISO, IEC
WARRANTY	10 Yrs Product, 25 Yrs Power >80%

##### OTHER COMPONENTS

BATTERY – Kit 5 12 Volt	(2) 12V AGM Batteries, 140 Amp Hrs
BATTERY – Kit 5 24 Volt	(2) 12V AGM Batteries, 140 Amp Hrs
BATTERY WARRANTY	Prorated 5 Years
CHARGE CONTROLLER	15 Amp MPPT
CONTROLLER WARRANTY	5 Years
TIME CONTROL SETTING	24 Hrs or Adjustable
HOUSING BOXES	Fiberglass / Powder Coated Steel
HOUSING BOX WARRANTY	5 Years
SOLAR CONNECTING CORD	Customized Length
SOLAR PANEL RACKING	Side of Pole Mount System*
BATTERY LIFE BETWEEN CHARGE	Up to 42 Hrs

\* Pole not included



#### BRINGS REMOTE POWER TO DETECTION

DETECTION	DATA
ADAPTIVE CONTROL DETECTION	ARTERIAL & FREEWAY COUNTS
BICYCLE PRESENCE	BICYCLE COUNTS
PARKING DETECTION	ORIGIN / DESTINATION
RAMP METERING	PERFORMANCE MEASURES
SIGNAL ACTUATION	SAFETY METRICS
	SIGNAL TIMING OPTIMIZATION
	SYSTEM DIAGNOSTICS
	TRAVEL TIME

#### FEATURES / BENEFITS

- Unprecedented insight into complete statistics
- Plug & Play System
- Up to 42 hours between charges
- Weather-resistant Plug-and-Play Power Units
- No Monthly Utility Bills
- Reduces costly wiring and grid connections
- Variable Controller settings
- Economic and Environmentally Responsible

#### ORDERING INFORMATION FOR SOLAR POWER UNIT KIT 5

**STFU30-12V**  
**STFU30-24V**

**MADE IN AMERICA**

Products are warranted only to meet Sun-In-One™ data sheet specifications. Products and specifications are subject to change without notice.



**Sun-In-One™**  
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