# **Solar Power Unit Kit 2 for** Traffic Flow and Monitoring Low Voltage DC-15 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	(3) 50 Watt Solar Panels
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 2 12 Volt	(1) 12V AGM Battery, 140 Amp Hrs
BATTERY – Kit 2 24 Volt	(2) 12V AGM Batteries, 84 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

SOLAR CONNECTING CORD

BATTERY LIFE BETWEEN CHARGE

SOLAR PANEL RACKING

### ORDERING INFORMATION FOR **SOLAR POWER UNIT KIT 2**

5 Years

**Customized Length** 

Up to 42 Hrs

Side of Pole Mount System\*

STFU15-12V STFU15-24V





#### **BRINGS REMOTE POWER TO DETECTION**

## DETECTION

ARTERIAL & FREEWAY COUNTS

DATA



ADAPTIVE CONTROL DETECTION BICYCLE PRESENCE



BICYCLE COUNTS



PARKING DETECTION



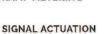
ORIGIN / DESTINATION



RAMP METERING



PERFORMANCE **MEASURES** 



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





<sup>\*</sup> Pole not included