



SolarBox™ Power Supply Systems

www.geokingsolar.com

The Geoking SolarBox™ power supply systems are stand alone systems using solar technology to provide continuous and reliable power to remote site loads.

The SolarBox™ is designed for applications that require a primary off-grid power source to run various electronics. The sealed and weatherproof enclosures have a generous amount of space inside for mounting all types of customer electronics.

Reliability: Geoking SolarBox™ systems allow your equipment to operate where power quality and reliability are a concern or where utility power does not exist in the most rugged environments.

Cost-effective: Geoking SolarBox™ solar power systems are cost-effective solutions providing continuous power to critical loads. The SolarBox minimizes set up and installation time for rapid deployment.

Flexibility: SolarBox™ can be mounted to pole sides and tops, rooftops and the ground. They can also be adapted to towers and other structures. OEM equipment can be housed in weatherproof enclosures in remote locations.

System Features

- Complete Solar Power Solution for Off-Grid operation
- Weatherproof NEMA 4X / IP65, UV resistant, outdoor enclosures
- Generous interior space for customer electronics
- Enclosures can be Wall or Pole Mounted
- Maintenance free Sealed Lead Acid Batteries
- Advanced battery charge controller protects against overcharge and over discharge
- UL, FM and CSA listed components

Applications

- Wireless Base Stations and Clients
- Surveillance Cameras
- Wireless Bridge and Repeaters
- Traffic Control and Speed Signs
- Remote Lightings
- Backup Power Systems

Q L Enterprises, Inc.

2875 N Berkeley Lake Road NW, Suite 8, Duluth, GA 30096

Tel.: (678)957-1187 Fax: (678)957-1159 email: sales@geosolution.com



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Aluminum Enclosures

The aluminum enclosure features removable covers attached using stainless steel screws, NEMA3R style rainproof design and a brushed finish. An integral mounting hangar allows the enclosure to be installed easily without removing the control equipment.

The aluminum enclosure has a security stainless steel door lock-hasp, 2 rear ½" electrical knockout, and rear louver-vent. It accommodates a 15" x 6.5" aluminum equipment mounting plate.



Fiberglass Enclosures

Our fiberglass enclosures are fabricated from the Ultraguard® formulation. This material provides superior performance and protective properties in a wide variety of environments.

Our fiberglass enclosures are designed and regularly tested to meet stringent UL® and CSA® specifications. Those corrosion resistant, maintenance-free fiberglass enclosures are designed to provide optimum protection in the harshest environments, from water treatment facilities and irrigation systems to oil refineries and chemical processing plants.



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Geoking SolarBox Specification

Model #	GKSB-AMU1206-12-12-XX		GKSB-AMU1426-12-36-XX		GKSB-AMU1648-12-70-XX		GKSB-AMU1860-12-108-XX		GKSB-AMU1860-24-96-XX		GKSB-C125-12-70-XX		GKSB-C125-12-108-XX	
Consumption Rated Power	2.0W	3W	5W	10W	12W	15W	20W	30W	10W	20W	10W	20W	10W	20W
Run Time @ Rated Power (includes 50% derating)	36hr	24hr	43hr	22hr	35hr	28hr	32hr	22hr	57hr	28hr	40hr	40hr	32hr	32hr
Output Voltage (DC)	12V		12V		12V		12V		24V		12V		12V	
Battery Capacity	12Ah		36Ah		70Ah		108Ah		48Ah x 2		70Ah		108Ah	
Battery Voltage (DC)	12V		12V		12V		12V		12V		12V		12V	
Battery Type	Valve Regulated Sealed Lead Acid / Absorbent Glass Mat (AGM)													
Battery Life	3 Years													
Charge Controller	SunSave 6A							SunSave 10A						
Enclosure Type	Fiberglass										Aluminum			
Enclosure External Size	12.1x10.3x7.0"		14.1x12.3x7.0"		16.1x14.3x9.0"		18.12 x 16.34 x 11.0"				17.0 x 16.0 x 9.5"			
	306x261x178mm		357x312x178mm		408x362x229mm		(460 x 415 x 279mm)				(432 x 406 x 241mm)			
Enclosure Internal Size	11.7x9.9x6.1"		13.7x11.9x6.1"		15.7x13.9x8.11"		17.92 x 16.14 x 10.10"							
	296x251x155mm		347x302x155mm		398x353x206mm		(455 x 410 x 257mm)							
Solar Panel Size (XX)	10W	20W	20W	40W	40W	65W	65W	130W	65W	130W	65W	130W	65W	130W
kWh per day Generated (@ 5 hr. sunlight/day)	0.05	0.1	0.1	0.2	0.2	0.325	0.33	0.65	0.33	0.65	0.33	0.65	0.33	0.65
Solar Panel Mount	Single Arm Side Pole Mount							Side of Pole Mount						
Operating Temperature	-30°C to +60°C (-22°F to 140°F)													

We do custom design according to your applications. Please contact us at sales@geosolution.com.

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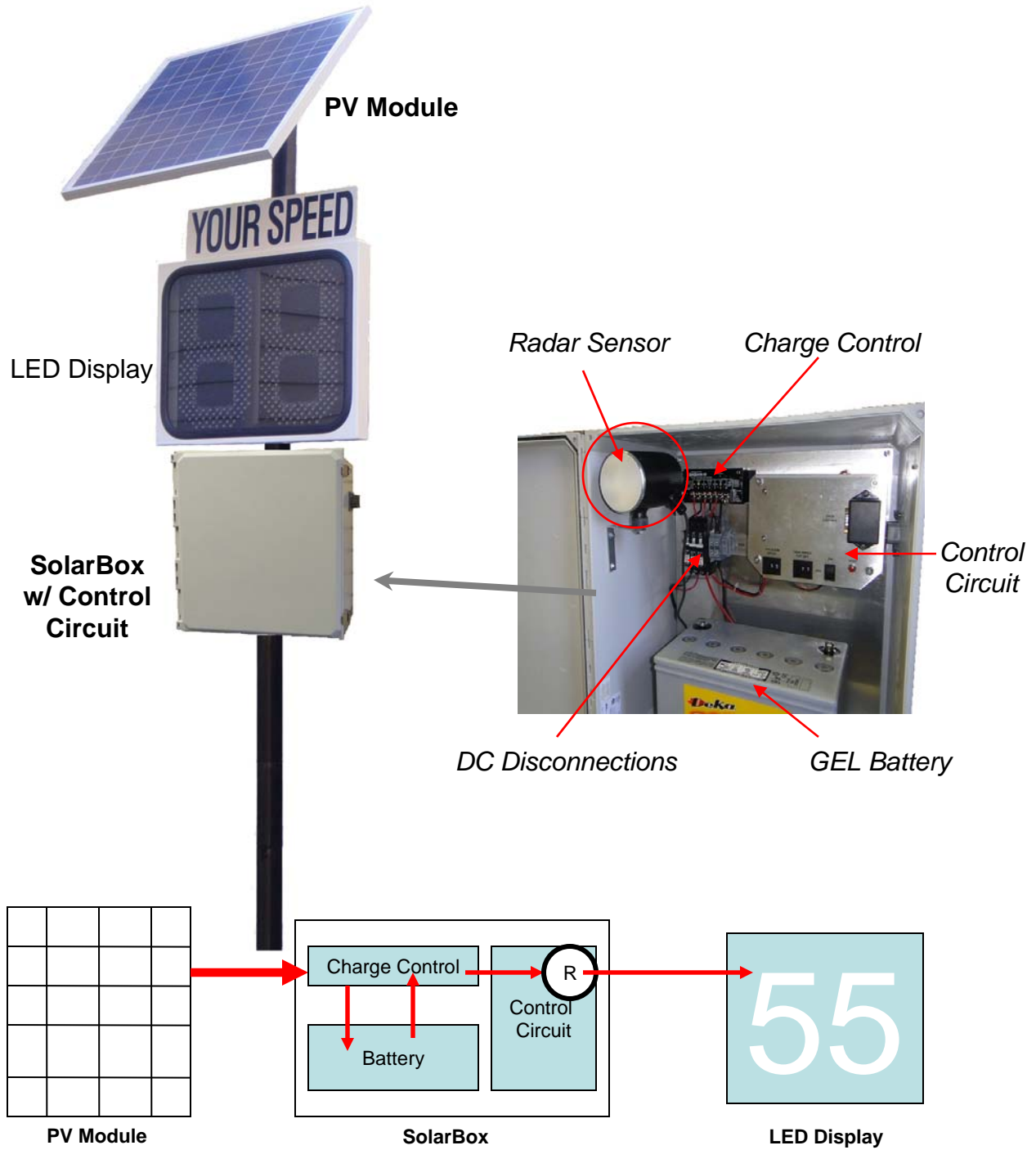
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Application Sample: Integrated SolarBox for Onsite50



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