LARSON ELECTRONICS®



Ameresco Solar supplies and distributes a complete line of enclosures to accommodate a wide range of off-grid applications. We have a large selection of enclosures and control cabinets ranging from single battery (for pole and ROHN towers) to custom skid-mounted, multi-battery enclosures. Our enclosure line has the flexibilty to meet your solar system storage needs.

HAL-SCS-250A-24-V1 Features:

NEMA Ratings
- NEMA 3R (Standard), NEMA 4, NEMA 4X

Available Material and Finish
- Mill finished aluminum (Standard)

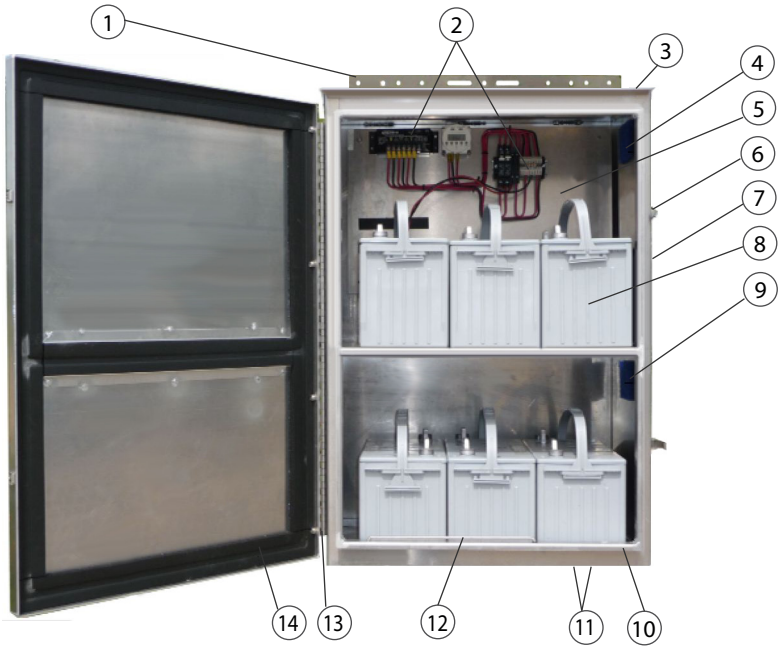
Enclosure Dimensions
- Overall: (H) 40.125" x (W) 25.25" x (D) 17.125"
- Opening: (H) 31.625" x (W) 21.5"
- Inside: (H) 35.75" x (W) 23.75" x (D) 14.875"

Back Panel Dimensions
- (H) 17" x (W) 21.75"

Battery Capacity
- (6) BCI Group 27
- (6) BCI Group 30
- (6) BCI Group 31
- (2) BCI Group 8G4D
- (2) BCI Group 8G8D

Weight
- 61 lbs





1. Mounting Tab
2. Electrical Assembly (Not included)
3. Rain Drip Lip
4. Fiberglass "Insect Proof" Screen on all Louvered Openings
5. Back Panel
6. Stainless Lockable Draw Latch
7. BBA-6 Cabinet
8. Battery (Not included)
9. Filter Media (Removable for cleaning)
10. Double Flanged Door Opening
11. (2) 1/2" NPT Knock-outs (CGB's/Conduit Fittings)
12. Door Stop
13. Stainless Steel Hinge
14. Closed Cell Neoprene Gasket

Mounting Structures



Mounts on wall using 4 lag bolts (Bolts not included)

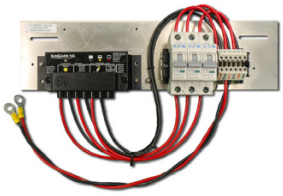


Mounts to ROHN25 tower using 4 u-bolts (Bolts not included)



Mounts to 2-3" schedule 40 pole using 2 u-bolts (Bolts not included)

Mounting Options



Custom designed assembly sized to meet solar system requirements



Door fans available in 12V, 24V, and 48V DC/120V AC



Banding available for unique mounting structures

Additional Options:

- Breather/drain for NEMA4 - 4X (Required for all battery applications)
- Heat strips (120V, 150W with thermostat)
- Interior insulation (Low E)
- Sun shields (Available for top, sides, and door
- Key lock (#1 or #2 Pelco)

HAL-SP-CHR-12V-16A

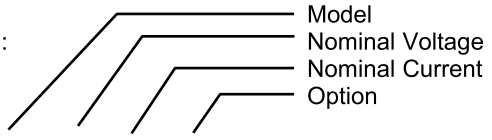
PARAMETERS	UNITS	NOMINAL CURRENTS
		16 amp
Short Circuit Current, Continuous	(Amps)	16
Short Circuit Current, Max (60 seconds)	(Amps)	21

PARAMETERS UNITS		NOMINAL VOLTAGES
		24 v
Load Current, Continuous (1)(2)	(Amps)	10
Load Current, Max (60 seconds) (1)(2)(3)	(Amps)	13
Array Voltage, Max Voc	(Volts)	46
Operating Voltage @ Battery, Minimum		
Charge Control	(Volts)	1
Load Disconnect (1)	(Volts)	17
Quiescent Current	(Milliamps)	10
Current Consumption, Charging, Typ.	(Milliamps)	15
Current Consumption,		
Load Disconnected, Typ. (1)(4)	(Milliamps)	40
Voltage Drop, Array to Battery, Typ.	(Volts)	.30
Voltage Drop, Array to Battery, Max.	(Volts)	.55
Voltage Drop, Battery to Load, Typ. (1)	(Volts) @ 10 amps	.06
Charge Termination (5)	(Volts)	28.6 ≥ .4
Charge Resumption (5)	(Volts)	27.0 ≥ .6
Load Disconnect (LVD) (1) (5)	(Volts)	23.0 ≥ .4
Load Reconnect (1) (5)	(Volts)	26.0 ≥ .6
Operating Temp. Range	°C)	-40 to 50
Storage Temp. Range	°C)	-55 to 85
Temperature Comp. Coef. (from 25°C) (6)	(Volts/°C)	-.06

Notes:
(1) Low-voltage disconnect option (option E)
(2) Non-inductive.
(3) Carry only, Non-switching
(4) LVD relay energized, red L.E.D. on, typical value.
(5) Value adjustable with Adjust. Voltage Set-points option (option F). Charge Termination / Resumption (and Load Disconnect / Reconnect (option E)) span is fixed.
(6) Temperature compensation option (option A)

PART NUMBERING KEY

EXAMPLE:



ASC- 12 / 8 - A

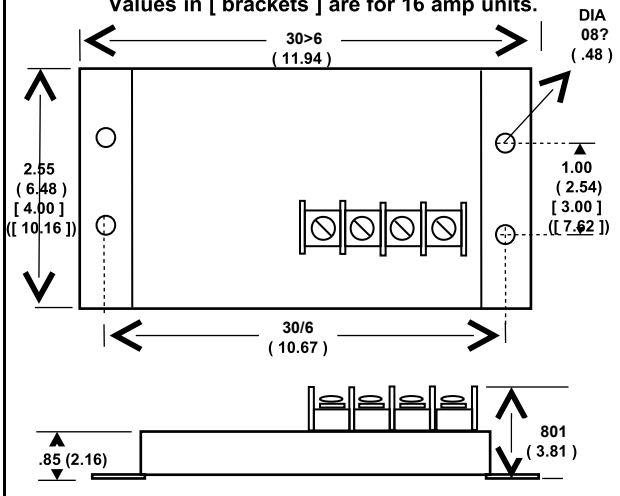
AVAILABLE MODELS

MODEL OPTIONS	(voltage) current options)	OPTIONS
ASC	6) (4*,12*)	A - Temperature Compensation
	12) (4,8,12,16, 20*)	E - Low-voltage Disconnect (LVD)/
	24) (8,16)	Generator Start
	36) (6*,12*)	F - Adjustable Voltage Set-point(s)
	48) (6*,12*)	

NOTES: * indicates a non-standard model
Options not available for 12/4, 12/20
Option E & option F not available with 6. 36. 48 volt units. Option A not available on 6

DIMENSIONS

In Inches (cm)
Values in [brackets] are for 16 amp units.



Material thickness: .032 (.08)

Shipping weight: .5 lbs. (.25 Kgs.)
[16 amp: 1 lbs. (.5 Kgs.)]

Specifications and product availability subject to change without notice.