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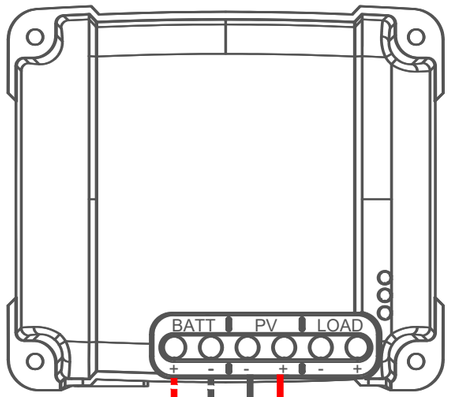
ISSUED

SOLAR CHARGE CONTROLLER
SMARTSOLAR 75-15 (38W, 80W & 160W SYSTEMS)
SMARTSOLAR 100-30 (270W, 320W SYSTEMS)



CIRCUIT BREAKER 25A

RED 8-10AWG WIRE

RED 8-10AWG WIRE

BLACK 8-10AWG WIRE

RED PV WIRE

BLK PV WIRE

BATTERY 12 VDC (+ / -)

APPLY SILICONE SEALANT BETWEEN ROOF COVER FLANGE AND VEHICLE ROOF

USE SELF-TAPPING SCREWS TO MOUNT COVER TO ROOF

CHARGESYS SOLAR PANEL
(38W, 80W RECT, 80W SQUARE, 160W, 270W)

BUMPER PAD - ADHERES TO SURFACE - SUPPORTS FUSE (all except 38W)

10A IN-LINE SOLAR FUSE POSITIVE LEAD (all except 38W)

USE GROMMET TO PROTECT WIRES PASSING THROUGH ROOF HOLE.

NOTES:

1. **CONTROLLER AND BREAKER ENLARGED FOR CLARITY**
2. **320W KIT HAS TWO 160W PANELS WIRED IN PARALLEL TO A SINGLE CONTROLLER**

15' PV WIRE PROVIDED IN CHARGESYS SOLAR KIT

WIRE PROVIDED BY INSTALLER

CHARGESYS SOLAR POWER WIRING DIAGRAM
(12VDC BATTERY)

SIZE (17 x 11)	CAGE CODE	DWG NO.	REV.
B	1NLW5	CS-SOLARKIT-001	IR
SCALE NONE		SHEET 1	