BILL OF MATERIALS

- 23" x 16" x 1/2" board, HDPE-lite face, HDPE closed cell foam core Order from The Cutting Board Factory
- 3/8" crimp ring terminals, 3M 123-38-NB
- Vinyl coated loom clamp, 3/4" opening, e.g. McMaster-Carr 8863T16
- Solar regulator, Flexcharge NC30L12-M-UNVTC. Standard Flexcharge LVD settings (~11.0V OFF, ~12.9V ON)
- Wind regulator (optional), Flexcharge NC25A12-M-UNVTC Order with 13" integral leads (no screw terminals) UNAVCO-spec temperature compensation for Deka gel batteries.
- UNAVCO-spec temperature compensation for Deka gel batteries. Order with 16" integral leads (no screw terminals)
- Screwless end stop, Wago 249-116
- 10 Separator plate, Wago 281-327
- 2-conductor thru terminal block, Wago 281-601
- 64 Terminal markers, colored as shown, Wago 209-501
- 16 Insulated jumper, Wago 281-402
- 6 Shottky diodes, Vishay 80SQ045
- Slotted carrier DIN rail, 15" length, Wago 210-162
- 30 amp DC breaker, AB 1492-SP1C300
- 10 amp DC breaker, AB 1492-SP1C100
- Weatherpack 2-position shroud, WPS-2 for load circuit (yellow wires)
- Weatherpack 14 gage socket crimp contacts, WPF-15
- 4 Weatherpack 14 gage cable seals, WPS-GRA
- 52" 14AWG red wire, Polar Wire AUF-14-RED
- 48" 14AWG black wire, Polar Wire AUF-14-BLK
- 40" 24" 14AWG blue wire, Polar Wire AUF-14-BLU 14AWG orange wire, Polar Wire AUF-14-ORG
- 14AWG yellow wire, Polar Wire AUF-14-YEI
- 14AWG purple wire, Polar Wire AUF-14-PUR
- LOT wood screws, phillips drive, varying lengths

Screws must NOT protrude from underside of board

NOTES

- 1. See Sheet 1 for wiring, regulator, and terminal block layout.
- 2. See Sheet 2 for drilling template
- Screws must NOT protrude from underside of board
- 4. GPS receiver is elevated from board with four 1/4" thick standoffs.

Polar Permanent GPS Station	t GPS Station	Part Number Rev	Rev
Full Electronics Board	S Board	200 JU 300)
4 Solar, 2 Wind,	4 Solar, 2 Wind, 1 Main + 3 Aux Battery Banks	NOO-20-644	٦
	LINAVCO Inc	Drawing: S. White	
5		Engineering: S. White	
	POLAR SERVICES	Approval:	
UNAVCO	UNAVCO 6350 Nautilus Dr., Boulder CO 80301 Date Modified: May 8 2013	Date Modified: May 8 20	13
	303-381-7500 303-381-7451 fax	S IN S INTERPRE	