



Revision Log

Rev Level	Date	Description
1	7/2/21	Preliminary Release

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1	Cover Page	Cover Page, Table of Contents
2	Power Supply	Solar Panel, Battery, Power Switch
3	Inductive Charging	Inductive charging output
4	GPS	GPS with RTK hookup

Designed by:

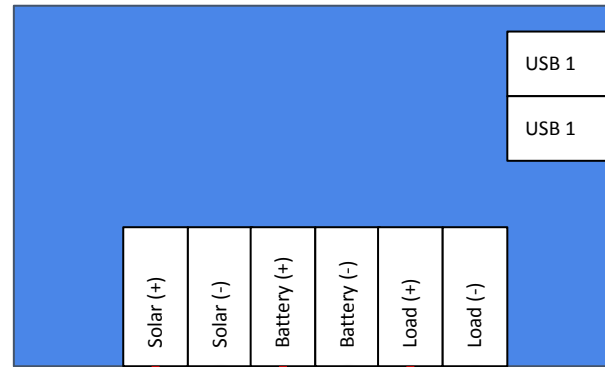
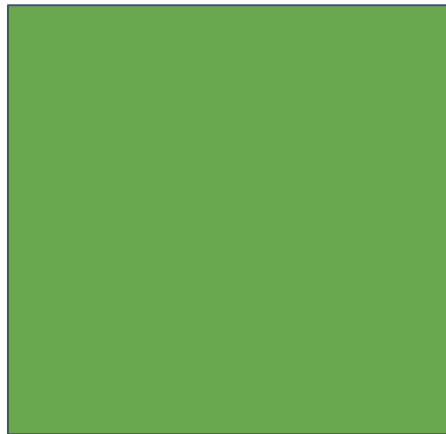
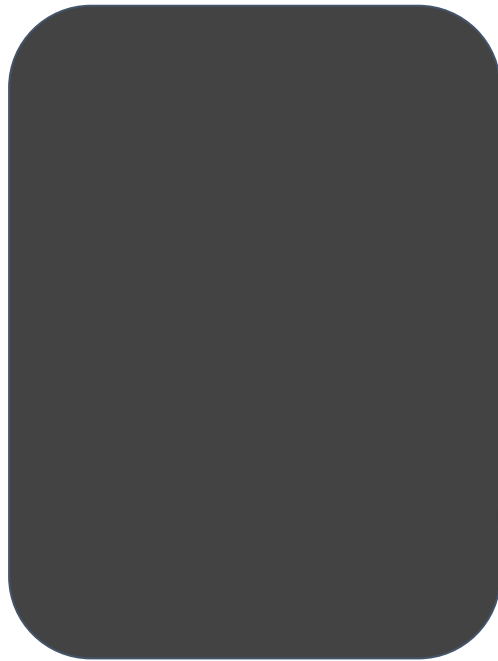
Brian Darling & Gabriel De La Torre

PALM Project

Docking Station Schematic

Solar Panel
Polycrystalline
10W
12V

Battery
Lead Acid
12V
9Ah



USB 1
USB 1

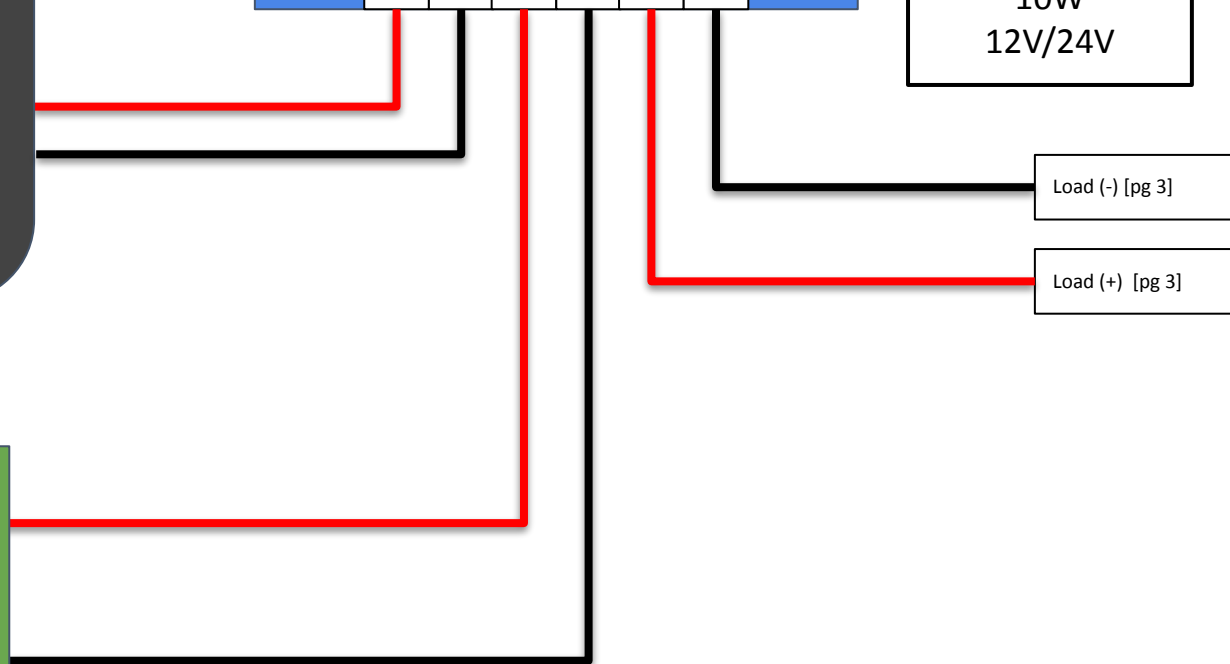
Solar Charge Controller
10W
12V/24V

Load (-) [pg 4]

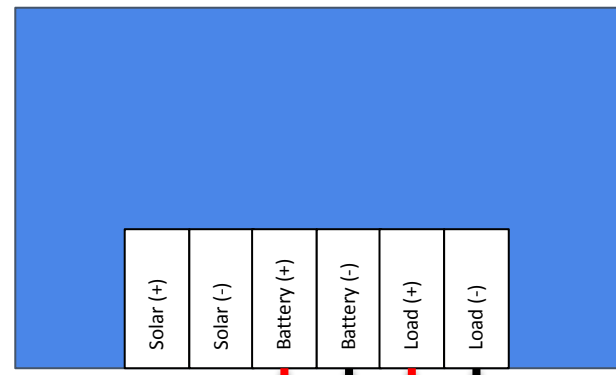
Load (-) [pg 3]

Load (+) [pg 3]

PALM Project
Docking Station Schematic

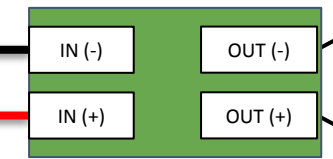


Solar Charge Controller 2
Used as Inductive charge controller
10W
12V/24V

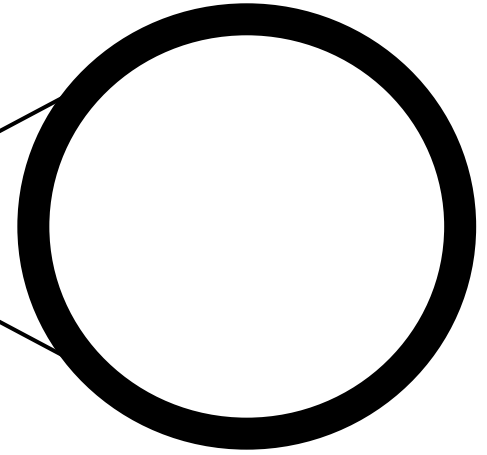


Load (-) [pg 2]

Load (+) [pg 2]



Inductive Charger Controller
12V Input
600mA (under load)



Inductive Coil
OD = 88mm

PALM Project
Docking Station Schematic

