2 x PL20/40 + 1 x PLS2 + PLM with #1 logging all data
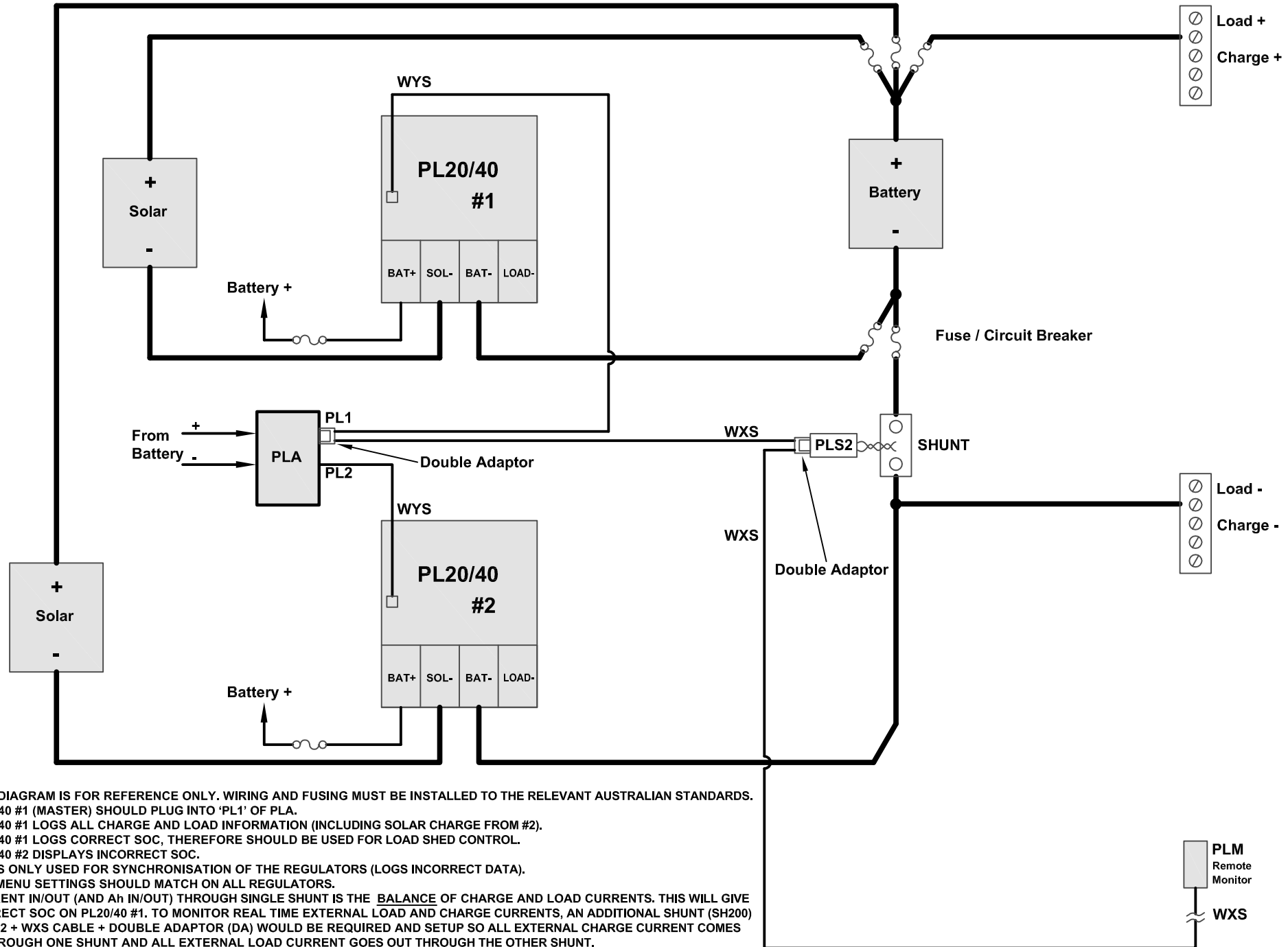
Load +

Charge +

WYS

Solar
+
-

PL20/40
#1

BAT+ | SOL- | BAT- | LOAD-

Battery +

+
Battery
-

Fuse / Circuit Breaker

From Battery +
From Battery -

PLA

PL1

PL2

Double Adaptor

WXS

PLS2

SHUNT

Load -

Charge -

WXS

Double Adaptor

WYS

Solar
+
-

PL20/40
#2

BAT+ | SOL- | BAT- | LOAD-

Battery +

PLM
Remote Monitor

WXS

NOTES:
1. THIS DIAGRAM IS FOR REFERENCE ONLY. WIRING AND FUSING MUST BE INSTALLED TO THE RELEVANT AUSTRALIAN STANDARDS.
2. PL20/40 #1 (MASTER) SHOULD PLUG INTO 'PL1' OF PLA.
3. PL20/40 #1 LOGS ALL CHARGE AND LOAD INFORMATION (INCLUDING SOLAR CHARGE FROM #2).
4. PL20/40 #1 LOGS CORRECT SOC, THEREFORE SHOULD BE USED FOR LOAD SHED CONTROL.
5. PL20/40 #2 DISPLAYS INCORRECT SOC.
6. PLA IS ONLY USED FOR SYNCHRONISATION OF THE REGULATORS (LOGS INCORRECT DATA).
7. REG MENU SETTINGS SHOULD MATCH ON ALL REGULATORS.
8. CURRENT IN/OUT (AND Ah IN/OUT) THROUGH SINGLE SHUNT IS THE BALANCE OF CHARGE AND LOAD CURRENTS. THIS WILL GIVE CORRECT SOC ON PL20/40 #1. TO MONITOR REAL TIME EXTERNAL LOAD AND CHARGE CURRENTS, AN ADDITIONAL SHUNT (SH200) + PLS2 + WXS CABLE + DOUBLE ADAPTOR (DA) WOULD BE REQUIRED AND SETUP SO ALL EXTERNAL CHARGE CURRENT COMES IN THROUGH ONE SHUNT AND ALL EXTERNAL LOAD CURRENT GOES OUT THROUGH THE OTHER SHUNT.

V1.01 28/09/09

2 x PL20/40 + 2 x PLS2 + PLM with #1 logging all data

WYS

Load +

Charge +

+
Solar
-

PL20/40
#1

+
Battery
-

Battery +

BAT+ | SOL- | BAT- | LOAD-

Fuse / Circuit Breaker

From **+**
Battery **-**

PL1

PLA

PL2

Double Adaptor

WXS

PLS2

LOAD
SHUNT

WYS

WXS

PL20/40
#2

Double Adaptors

Load -

Battery +

BAT+ | SOL- | BAT- | LOAD-

PLS2

CHARGE
SHUNT

+
Solar
-

Charge -

PLM
Remote
Monitor

WXS

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V1.01 17/06/09