OPTION SHEET FOR NANOPOWER PDU-200

Customer Product ID: _____ (optional, enter your reference here) **Reset Options**

Order number: _____

1. Configuration Table

CSP address _____ (default is 3)

Battery voltage range - select one	
12.0 – 16.8 V	
24.0 – 33.6 V	

Dock position – See chapter 2				
	X1	**X2**	**X3**	**X4**
Position				

Voltage on each regulator – choose from dropdown – See chapter 3 **Reset Values**			
	Regulator 0	**Regulator 1**	**Regulator 2**
Voltage	3.3	3.3	3.3

Channel connections - only select one option per channel – See chapter 4 **Reset Values**

Channel	Stack pins	TFM pins	Regulator 0	Regulator 1	Regulator 2	Battery Voltage	High Regulated Voltage	CH not used
CH0	1	1						
CH1	1	2						
CH2	1	1						
CH3	1	1						
CH4	1	-						
CH5	1	1						
CH6	1	2						
CH7	1	-						
CH8	1	-						

2. Position on NanoPower P60 Dock

Mark which position the PDU is to be fitted. Double check with the P60 Dock option sheet module configuration table.

3. Voltage on each regulator

If no voltage is chosen, all regulators are set to 3.3 V.

Each regulator voltage must be below 8.0 V and more than 1.5 V below the lowest battery voltage. Regulator 0 can be higher than 8.0 V, given only “High regulated voltage” channels are used.

Custom = 3.3 V, 5 V, 8 V, 12 V, 18 V, or 24 V

4. Channel Connections

Only select one option per row.

All nine output channels are connected to the FSI connector which connects via the P60 Dock to the stack connector (requires stack connector pins to be connected in the P60 Dock option sheet).

The battery voltage is an unregulated voltage.

The high regulated voltage channels are used only when Regulator 0 is set above 8.0 V. Note that in this case only CH1 and CH6 is possible.

The CH1 and CH6 are recommended for high current when using the discrete TFM connector (two pin per channel).

The CH0, CH2, CH3 and CH5 are available in the discrete connector for lower currents (one pin in the TFM connector).

CH4, CH7 and CH8 are not accessible through the TFM connector.

If the "CH not used" column is chosen, the particular channel will not be configured, hence not connected and cannot be used.

5. Disclaimer

The information in this document is subject to change without notice and should not be construed as a commitment by GomSpace. GomSpace assumes no responsibility for any errors that may appear in this document.

In no event shall GomSpace be liable for incidental or consequential damages arising from use of this document or the software and hardware described in this document.

Product name: NanoPower PDU-200

Document No.: 1021197

Revision: 4.2

Author: MABO

Approved by: PNN

Approval date: 26 November 2021

Confidentiality Notice