

OPTION SHEET FOR NANOPOWER P80 - PDU

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

Order number: _____

1. Configuration Table

DC/DC Regulator Voltages				
	Converter 0	Converter 1	Converter 2	Converter 3
Voltage [V]				
Current* [A]				

*Expected maximum current draw from Converter. Maximum current draw from one Converter is 4.0A.

PDU – High Voltage Channels

Output Requirements – See chapter 2 on the last page.		
	Yes	No
Channel 0 – High current 4A. (Channel 0 will exclude channel 1)		
Channel 4 – High current 4A. (Channel 4 will exclude channel 5)		
Channel 8 – High current 4A. (Channel 8 will exclude channel 9)		

PDU Requirements – See chapter 2	
Channel	PDU Converter
0 (Nonconfigurable)	Vbat
1 (Nonconfigurable)	Vbat
2 (Nonconfigurable)	Vbat
3 (Nonconfigurable)	Vbat
4 (Nonconfigurable)	Vbat
5 (Nonconfigurable)	Vbat
6 (Nonconfigurable)	Vbat
7 (Nonconfigurable)	Vbat
8	
9	
10	
11	

PDU – Low Voltage Channels (3.3V-12V)

Output Requirements – See chapter 3 on the last page.		
	Yes	No
Channel 12 – High current 4A. (Channel 12 will exclude channel 13)		
Channel 16 – High current 4A. (Channel 16 will exclude channel 17)		
Channel 21 – High current 4A. (Channel 21 will exclude channel 20)		

PDU Requirements – See chapter 3 on the last page.

Channel	PDU Converter
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	

2. Output Requirements

High Voltage Channels

PDU Channels 0 & 1, 4 & 5 and 8 & 9 can be combined to supply 4.0 A high current. This configuration will exclude channel 1, 5 and 9, which will act as control channels. Channels 0, 4 and 8 will act as primary channels.

PDU channel 8, 9, 10 and 11 can be powered from Vbat or voltage Converter 3 if its 12V or 18V to extend the number of voltage channels.

3. PDU Configuration

Low Voltage Channels (3.3V-12V)

PDU channels 12 & 13, 16 & 17 and 21 & 20 can be combined to supply 4.0 A high current. This configuration will exclude channel 13, 17 and 20, which will act as control channels. Channels 12, 16, and 21 will act as primary channels.

Product name: NanoPower P80 PDU

Document No.: 1041580

Revision: 2.5

Author: PNN

Approved by: PHK

Approval date: November15, 2024

Confidentiality Notice

This document is submitted for a specific purpose as agreed in writing and contains information, which is confidential and proprietary. The recipient agrees by accepting this document, that this material will not be used, transferred, reproduced, modified, copied or disclosed in whole or in part, in any manner or to any third party, except own staff to meet the purpose for which it was submitted without prior written consent.

GomSpace © 2023