OUTPUT MODULE A SPECIFICATIONS

Parameter	Details	Min	Typical	Max	Units
Output Voltage Range	Manual adjustment	1.5	5	7.5	Volts
Output Current Rating				25	Amps
Output Power Rating				125	Watts
Peak Power Rating	Maximum 5 seconds			187.5	Watts
Initial voltage setting accuracy	Factory set units	-0.5		0.5	%
Load Regulation	Measured at sense terminals	-50		50	mV
Line Regulation	Measured at sense terminals	-0.1		0.1	%V_{NOM}
Cross Regulation	Measured at sense terminals	-0.2		0.2	%V_{NOM}
Minimum load		0$^{(1)}$			Watts
Temperature coefficient		-0.02		+0.02	%/˚C
Ripple and Noise	20MHz BW, pk-pk			1	%V_{NOM}
Transient response	25% to 75% load transient at 1A/uS			1	Volts
	Recovery to within 10% of V_{SET}			100	uS
Turn on rise time	Monotonic 10% to 90%	1.5		3.5	mS
Turn on overshoot				0.1	%V_{SET}
Turn on delay	AC to PG		2000	3000	mS
	EN to PG		15	20	mS
Current share accuracy	Error from ideal sharing current. Valid for loads > 20% of rating.	-5		+5	%
Open Sense offset	Voltage offset between sense lines and output terminals when sense lines unused			2	%V_{NOM}
Holdup voltage				6	Volts
Isolation to ground	Each output terminal			500	Volts
Over current protection		105	115	125	%Rated
Reverse current protection		-6		0	%Rated
Short circuit protection	Period/Duty cycle/Voltage Threshold (Measured at sense terminals)		125/3/1		mS/%/V
Over Voltage Protection			9.5		Volts
Over Temperature Protection	Various locations	115		125	˚C
Sense Cable Protection	Positive	-1		2	Volts
	Negative			1	Volts
Power Good Threshold	Low threshold only		90		%V_{SET}
Current Output Signal	$V_{CURRENT} = 4 * I_{OUT}/I_{RATED}$	0		125	%Rated
Current Limit Control	$I_{LIMIT} = I_{RATED} * V_{CONTROL}/4$	0$^{(1)}$		100	%Rated
Remote Voltage Control	$V_{OUT} = V_{SET} * (5-V_{CONTROL})/3.8$	0$^{(1)}$		131.5	%V_{SET}
Bias Supply	10mA Max	4.5		5.2	Volts
Reliability	30˚C base, 100% load, SR332 Issue 2 Method I, Case 3, Ground, Fixed, Controlled			0.5	FPMH
Warranty				5	Years
Wire Size		12	10		AWG
Size	77 (L) x 18.8 (W) x 36 (H)				mm
Weight	100				Grams

Signal Connector J4

Positive

Negative

```
6      1
1  -  - Sense
2  -  + Sense
3  -  Common
4  -  I control
5  -  V control
6  -  +5V Bias
```
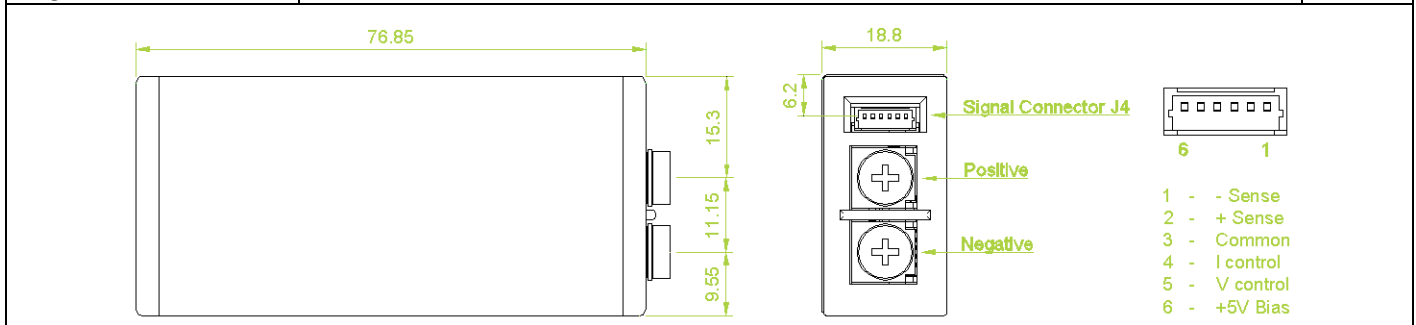
Note 1.   Minimum Output levels achievable when using V-control and I-control may be >0 due to the minimum on-time of the PWM controllers

| SAFETY UL COMPLIANT | SAFETY CE COMPLIANT | ENVIRONMENTAL Conflict Minerals COMPLIANT | ENVIRONMENTAL Proposition 65 COMPLIANT | ENVIRONMENTAL REACH COMPLIANT | ENVIRONMENTAL RoHS Directive (EU) 2015/863 COMPLIANT | ENVIRONMENTAL SCIP COMPLIANT | ENVIRONMENTAL TSCA COMPLIANT | ENVIRONMENTAL GreenSoft Technology, Inc. VERIFIED |

Vox Power Limited | Unit 2, Red Cow Interchange Estate, Ballymount, Dublin 22, D22 Y8H2, Ireland | T +353 1 4591161 | www.vox-power.com

DOC-DTS-019-02, VCCM Series Output A Datasheet