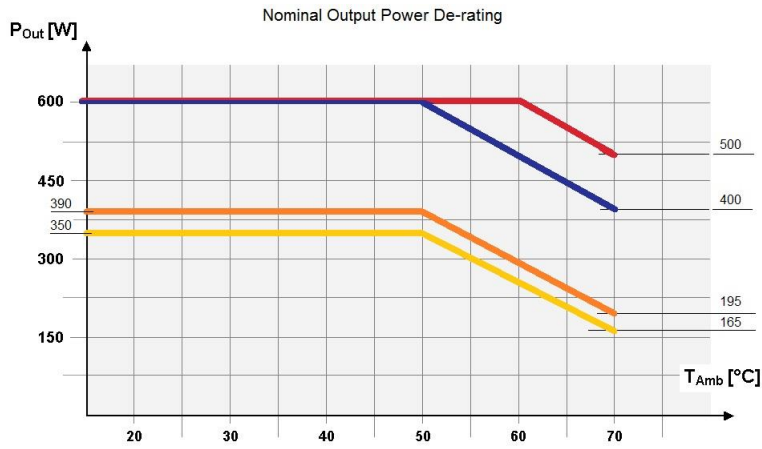


## 3. OUTPUT SPECIFICATIONS

PARAMETER	DESCRIPTION / CONDITION	MIN	NOM	MAX	UNIT
V1 Output Voltages	±0.5% set point accuracy RS+ closed on +V1, RS- closed on V1 RTN, at 20% load.	-	24 28 36 48	-	V
V1 Output Power Rating	Convection cooling (Refer to the de-rating curves below) Forced air cooling Refer to the de-rating curves below) Peak (less than 10 s, after P_OK high)			400 600 800	W
V1 Output Current	V1: 24 V <sub>DC</sub> V1: 28 V <sub>DC</sub> V1: 36 V <sub>DC</sub> V1: 48 V <sub>DC</sub>			25.0 21.4 16.7 12.5	A
V1 Voltage Adjustment Range	Manually by potentiometer	-	-	±5	%V1
V1 Line Regulation	V <sub>AC</sub> : 85 – 305 V <sub>RMS</sub>	-	-	±0.1	%V1
V1 Load-Line-Cross Regulation	V <sub>AC</sub> : 85 – 305 V <sub>RMS</sub> ; I <sub>1</sub> : 0 – 100%	-	-	±2	%V1
V1 Ripple and Noise	Rated load, Peak-to-peak, 20 MHz BW. (100 nF ceramic, 10 µF tantalum at load) * 25% load changes at 1 A/µs	-	-	1	%V1
Transient Response: V1, 5V <sub>SB</sub> Voltage Deviation	24 V at 1000 µF load / I <sub>OUT</sub> > 2.5 A 28 V at 1000 µF load / I <sub>OUT</sub> > 2.5 A 36 V at 680 µF load / I <sub>OUT</sub> > 1.9 A 48 V at 560 µF load / I <sub>OUT</sub> > 1.25 A 5 V <sub>SB</sub> at 560 µF load / I <sub>OUT</sub> > 0.1 A	-	-	±5	%V1 %V <sub>SB</sub>
V1 Start-up Rise Time	85<V <sub>IN</sub> <305, any load conditions.	10	-	100	ms
V1 Hold-up Time	At nominal V <sub>IN</sub> , full load **	16	-	-	ms
V1 Current Sharing Accuracy	Two units in parallel at I <sub>1</sub> rated load. VS-Logic and I-Share signals connected together. RS+, RS- signals connected together and to the load	45.5	-	54.5	%I <sub>1</sub>
Start-up Delay	V1 in regulation after de-asserting PS_Inhibit V1 in regulation after AC is applied (worst case: 85 V <sub>AC</sub> ) 5 V <sub>SB</sub> in regulation after AC is applied (worst case: 85 V <sub>AC</sub> )	-	-	450 2050 1500	ms
Turn-on Overshoot		-	-	10 10	%V1 %V <sub>SB</sub>
Minimum Load	V1, V2, 5V <sub>SB</sub>	0	-	-	A
Maximum Load Capacitance		V1: 24 V <sub>DC</sub> V1: 28 V <sub>DC</sub> V1: 36 V <sub>DC</sub> V1: 48 V <sub>DC</sub>	- - - -	16000 15000 12000 8000	µF
V2 Output Voltage	V1 at nominal voltage	10.5	12.25	14.00	V
V2 Output Current	Convection / forced air cooling	-	-	1	A
5 V <sub>SB</sub> Output Voltage	±3% set point accuracy, 20% load.	-	5	-	V
5 V <sub>SB</sub> Output Current	Front Mounted Fan models (-S) U-Chassis models	-	-	1.5 1.2	A
5 V <sub>SB</sub> Load, line cross Regulation	V <sub>AC</sub> : 85 – 305 V <sub>RMS</sub> ; I <sub>SB</sub> : 0 – 100%	-	-	±5	%V <sub>SB</sub>

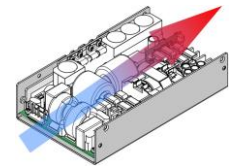
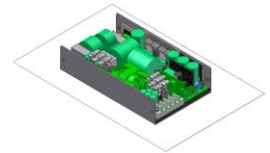
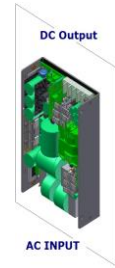
## 3.1 OUTPUT POWER DE-RATING CURVES



Natural Convection  
U-Chassis Models  
Vertical Mounting  
180 – 305 V<sub>AC</sub>

Natural Convection  
U-Chassis Models  
Horizontal Mounting  
180 – 305 V<sub>AC</sub>

Forced Air Cooling  
U-Chassis Models  
>500 LFM  
At 180 – 305 V<sub>AC</sub>  
>600 LFM  
At 85 – 180 V<sub>AC</sub>



Enclosed Front Mounted  
Fan Models  
85 – 305 V<sub>AC</sub>

Natural Convection  
Any Orientation  
85 – 305 V<sub>AC</sub>

