

6U VITA Product Feature Matrix

6U VITA Power COTS Grade Performance

	Model	Input	Outputs	VS1	VS2	VS3	+12V Aux	-12V Aux	3.3VAux	P Out	Eff	Temp @ Wedgelocks	Ext Temp Range Available	Ext V in Range Available	EMI Filter	Transient Protection	Inrush Limiting	Current Share	Mil-STD-461D	Mil-STD-1275D	DO-160F	Air Cooled VITA 48		
28 Vdc Input	1312-01	18 - 36 VDC	3, 4	12 VDC 450 W	12 VDC 450 W	5 VDC 120 W	N/A	N/A	3.3 VDC 100 W	1120 W	89%	-40 to +71°C	✓	✓	✓	✓	✓	✓	✓	✓	✓			
	1312-02	18 - 36 VDC	4	12 VDC 475 W	-12 VDC 475 W	5 VDC 120 W	N/A	N/A	3.3 VDC 100 W	1170 W	90%	-40 to +71°C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	1312-03	18 - 36 VDC	3	12 VDC 120 W	-12 VDC 120 W	5 VDC 540 W	N/A	N/A	---	780 W	90%	-40 to +71°C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	1312-04	18 - 36 VDC	4	12 VDC 120 W	-12 VDC 120 W	5 VDC 450 W	N/A	N/A	3.3 VDC 100 W	790 W	90%	-40 to +71°C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	1321-05	18 - 36 VDC	4	12 VDC 475 W	-12 VDC 120 W	5 VDC 300 W	N/A	N/A	3.3 VDC 100 W	995 W	89%	-40 to +71°C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	1312-06	18 - 36 VDC	1, 2, 3	12 VDC 450 W	12 VDC 450 W	12 VDC 450 W	N/A	N/A	---	1350 W	90%	-40 to +71°C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	1337	18 - 36 VDC	3	+12Vdc 900W	+3.3Vdc 20W	---	---	---	---	920 W	88%	-40 to +71°C	✓		✓	✓	✓	✓	✓				✓	
	1268	18 - 36 VDC	4	12 Vdc 4 W	-12 Vdc 4 W	5 Vdc 180 W			3.3 Vdc 40 W	230 W	78%	-40 to +71°C	✓		✓	✓	✓	✓	✓					
270 Vdc Input	1312-60	180-425 VDC	5	12 VDC 1200W		5 VDC 50 W	+12Vdc 12W	-12Vdc 12W	3.3 VDC 66 W	1340w	88%	-40 to +71°C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	1312-62	180-425 VDC	5	12 VDC 600W		5 VDC 500W	+12Vdc 12W	-12Vdc 12W	3.3 VDC 100 W	1224w	88%	-40 to +71°C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	1312-63	180-425 VDC	5	12 VDC 300W		5 VDC 675W	+12Vdc 12W	-12Vdc 12W	3.3 VDC 100 W	1100w	87%	-40 to +71°C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	1312-64	180-425 VDC	4	38 VDC 1064W			+12Vdc 12W	-12Vdc 12W	3.3 VDC 166 W	1224w	88%	-40 to +71°C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	1312-65	180-425 VDC	4			5 VDC 800W	+12Vdc 12W	-12Vdc 12W	3.3 VDC 100 W	924w	86%	-40 to +71°C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	1348-00	180-425 VDC	4	+12 VDC 150 W	-12 VDC 36 W	5 VDC 300 W			3.3 VDC 50 W	536 W	87%	-40 to +71°C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	1251-00	180-425 VDC	3	12 Vdc 500 W	---	5 Vdc 280 W			3.3 dcC 10 W	800 W	85%	-40 to +71°C			✓	✓	✓	✓	✓				✓	
	200 Vac Input	1312-20	200 VAC 1ph, 400 Hz	3	12 VDC 150 W	---	5 VDC 150 W			3.3 VDC 30 W	330 W	82%												
1312-40		200 VAC 3ph, 400 Hz	3	12 VDC 150 W	---	5 VDC 150 W			3.3 VDC 30 W	330 W	82%													
1298-00		200 Vac 400Hz	2	12 Vdc 900 W	---	---			3.3 dcC 7 W	907 W	85%							✓						
1278-00		200 Vac 400Hz	3	12 Vdc 300 W	---	5 Vdc 180 W			3.3 Vdc 10 W	500 W	80%							✓						

3U VITA Product Feature Matrix

3U VITA Power Mil Grade Performance

28 Vdc Input	Model	Input	Outputs	VS1	VS2	VS3	+12V Aux	-12V Aux	3.3VAux	Pout	Eff	Temp @ Wedgelocks	Ext Temp Range Available	Ext V In Range Available	EMI Filter	Transient Protection	Inrush Limiting	Current Share	Mil-STD-461D	Mil-STD-1275D	DO-160E
													✓	✓	✓	✓	✓	✓	✓	✓	✓
	1312-71	16 - 40 VDC	6	+12Vdc 200W	+3.3Vdc 66W	+5Vdc 150W	+12Vdc 12W	-12Vdc 12W	+3.3Vdc 20W	460W	87%	-55 to +85°C	✓	✓	✓	✓	✓	✓	✓	✓	✓
	1312-72	16 - 40 VDC	1/6	+12Vdc 480W	+3.3Vdc 0W	+5Vdc 0W	+12Vdc 0W	-12Vdc 0W	+3.3Vdc 0W	480W	90%	-55 to +85°C	✓	✓	✓	✓	✓	✓	✓	✓	✓
	1312-73	16 - 40 VDC	5	+12Vdc 170W	+3.3Vdc 80W	+5Vdc 180W	+12Vdc 12W	-12Vdc 12W	---	450W	88%	-55 to +85°C	✓	✓	✓	✓	✓	✓	✓	✓	✓
	1312-74	16 - 40 VDC	2/6	+12Vdc 275W	+3.3Vdc 0W	+5Vdc 185W	+12Vdc 0W	-12Vdc 0W	+3.3Vdc 0W	460W	89%	-55 to +85°C	✓	✓	✓	✓	✓	✓	✓	✓	✓
	1312-75	16 - 40 VDC	5	+12Vdc 285W	+3.3Vdc 66W	+5Vdc 90W	+12Vdc 12W	-12Vdc 12W	---	465W	88%	-55 to +85°C	✓	✓	✓	✓	✓		✓	✓	✓
	1312-76	16 - 40 VDC	6	+12Vdc 170W	+3.3Vdc 66W	+5Vdc 180W	+12Vdc 12W	-12Vdc 12W	+3.3Vdc 10W	450W	87%	-55 to +85°C	✓	✓	✓	✓	✓		✓	✓	✓

3U Configurable Power Mil Grade Performance

28 Vdc Input	1312-101	16 - 40 VDC	2	+12Vdc 275W	N/A	+12Vdc 275W	N/A	N/A	---	550W	88%	-55 to +85°C	✓	✓	✓	✓	✓		✓	✓	✓
	1312-102	16 - 40 VDC	2	+5Vdc 180W	N/A	+5Vdc 180W	N/A	N/A	---	360W	87%	-55 to +85°C	✓	✓	✓	✓	✓		✓	✓	✓

3U VITA Power COTS Grade Performance

28 Vdc Input	1312-121	18 - 36 VDC	6	+12Vdc 200W	+3.3Vdc 66W	+5Vdc 150W	+12Vdc 12W	-12Vdc 12W	+3.3Vdc 20W	460W	87%	-40 to +71°C			✓	✓	✓	✓	✓	✓	✓
	1312-122	18 - 36 VDC	4	+12Vdc 265W	N/A	+5Vdc 180W	+12Vdc 12W	-12Vdc 12W	---	470W	89%	-40 to +71°C			✓	✓	✓	✓	✓	✓	✓
	1312-123	18 - 36 VDC	5	+12Vdc 285W	+3.3Vdc 66W	+5Vdc 90W	+12Vdc 12W	-12Vdc 12W	---	465W	88%	-40 to +71°C			✓	✓	✓		✓	✓	✓
	1312-124	18 - 36 VDC	6	+12Vdc 170W	+3.3Vdc 66W	+5Vdc 180W	+12Vdc 12W	-12Vdc 12W	+3.3Vdc 3.3W	444W	87%	-40 to +71°C			✓	✓	✓			✓	✓

3U Configurable Power COTS Grade Performance

28 Vdc Input	1312-151	18 - 36 VDC	2	+12Vdc 275W	N/A	+12Vdc 275W	N/A	N/A	---	550W	88%	-40 to +71°C			✓	✓	✓		✓	✓	✓
	1321-152	18 - 36 VDC	2	+5Vdc 180W	N/A	+5Vdc 180W	N/A	N/A	---	360W	87%	-40 to +71°C			✓	✓	✓		✓	✓	✓

3U Configurable PowerConditioner COTS Grade Performance

28 Vdc Input	1321-152	18 - 36 VDC	1	+28Vdc 500W	N/A	N/A	N/A	N/A	---	500W	90%	-40 to +71°C			✓	✓	✓		✓	✓	✓
--------------	----------	-------------	---	-------------	-----	-----	-----	-----	-----	------	-----	--------------	--	--	---	---	---	--	---	---	---

Custom VITA Product Feature Matrix

Custom Designed Power

Model	Input	Outputs	VS1	Vs2	VS3	VS4	P Out	Eff	Comments
1251	270 VDC	3	12 VDC 500 W	---	5 VDC 280 W	3.3 VDC 10 W	800 W	85%	Vita 48.5 Air Cooled
1268	18 - 36 VDC	4	12 VDC 4 W	-12 VDC 4 W	5 VDC 180 W	3.3 VDC 40 W	230 W	78%	Conduction Cooled
1278	200 VAC 400Hz	3	12 VDC 300 W	---	5 VDC 180 W	3.3 VDC 10 W	500 W	80%	Vita 48.5 Air Cooled
1298	200 VAC 400Hz	2	12 VDC 900 W	---	---	3.3 VDC 7 W	907 W	85%	Vita 48.5 Air Cooled

Vita Compliant Power

Model	Input	Outputs	VS1	Vs2	VS3	VS4	P Out	Eff	Comments
1312-01	18 - 36 VDC	3, 4	12 VDC 450 W	12 VDC 450 W	5 VDC 120 W	3.3 VDC 100 W	1120 W	89%	28 VDC Input Air or Conduction Cooled
1312-02	18 - 36 VDC	4	12 VDC 475 W	-12 VDC 475 W	5 VDC 120 W	3.3 VDC 100 W	1170 W	90%	28 VDC Input Air or Conduction Cooled
1312-03	18 - 36 VDC	3	12 VDC 120 W	-12 VDC 120 W	5 VDC 540 W	---	780 W	90%	28 VDC Input Air or Conduction Cooled
1312-04	18 - 36 VDC	4	12 VDC 120 W	-12 VDC 120 W	5 VDC 450 W	3.3 VDC 100 W	790 W	90%	28 VDC Input Air or Conduction Cooled
1321-05	18 - 36 VDC	4	12 VDC 475 W	-12 VDC 120 W	5 VDC 300 W	3.3 VDC 100 W	995 W	89%	28 VDC Input Air or Conduction Cooled
1312-06	18 - 26 VDC	1, 2, 3	12 VDC 450 W	12 VDC 450 W	12 VDC 450 W	---	1350 W	90%	28 VDC Input Air or Conduction Cooled
1312-20	200 VAC 400 Hz	3	12 VDC 150 W	---	5 VDC 150 W	3.3 VDC 30 W	330 W	82%	6U 1ph AC Input Air or Conduction Cooled
1312-40	200 VAC 400 Hz	3	12 VDC 150 W	---	5 VDC 150 W	3.3 VDC 30 W	330 W	82%	6U 3 ph AC Input Air or Conduction Cooled