



# Products Selection Guide

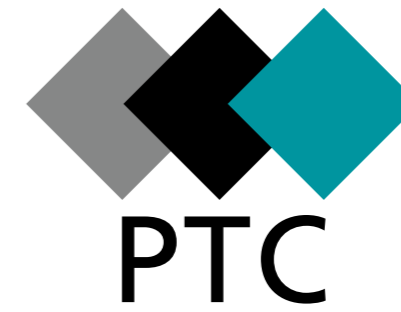
Power	Model	Dimensions	Voltage Range*	Max Current*
<b>DC / AC Inverters – Input Range 18-70V</b>				
Triple Phase - Single Output				
1050VA (1500VA peak)	<a href="#">PTC-04252</a>	7" X 6.5" X 0.85" Connection of 3 M4252 Single phase units	75Vac to 115Vac	4.3A
<b>DC/DC PC Board Units – Input Range</b>				
Single Output				
15W	<a href="#">PTC-07117</a>	2.17" X 1.08" X 0.49"	1.8V to 48V	2.5A
50W	<a href="#">PTC-07119</a>	1.99" X 1.99" X 0.49"	1.8V to 50V	8A
Dual Output				
6W	<a href="#">PTC-07878</a>	1.38" X 1.38" X 0.49"	Out #1: 3.3V to 15V Out #2: 3.3V to 15V	Out #1: 0.25A Out #2: 0.25A
30W	<a href="#">PTC-0786</a>	2" X 2" X 0.49"	Out #1: 1.8V to 50V Out #2: 1.8V to 50V	Out #1: 4A Out #2: 4A
Triple Output				
20W	<a href="#">PTC-0647</a>	2.56" X 1.99" X 0.47"	Out #1: 2.5V to 28V Out #2: 2.5V to 28V Out #3: 2.5V to 28V	Out #1: 2.0A Out #2: 2.0A Out #3: 2.0A
Quad Output				
80W	<a href="#">PTC-07874</a>	2.95" X 2.6" X 0.52"	Out #1: 1.8V to 28V Out #2: 1.8V to 28V Out #3: 1.8V to 50V Out #4: 3.3V to 24V	Out #1: 5A Out #2: 5A Out #3: 3A Out #4: 1.25A
<b>DC/DC Non Floating Units</b>				
800W	<a href="#">PTC-07048</a>	3.62" X 3.62" X 1.61"	28V to 32V	37A
<b>AC/DC Non Floating Unit</b>				
650W	<a href="#">PTC-0495</a>	4.52" X 3.93" X 1.57"	18V to 32V	36A
<b>DC / DC Holdup Units</b>				
Holdup Time And Power	Model	Dimensions	Comments	
150W-10ms	<a href="#">PTC-0250</a>	3.7" X 2.56" X 0.55"	External capacitor can be added to increase power	
No internal capacitor	<a href="#">PTC-0255</a>	2.56" X 2.15" X 0.55"	External capacitor can be added to increase power	
100W - 50ms	<a href="#">PTC-0256</a>	4.52" X 4.72 X 0.55"	External capacitor can be added to increase power	
400W - 50ms	<a href="#">PTC-0275</a>	7" X 4.5" X 1.8"		
<b>Shipboard UPS</b>				
Power	Model	Size	Holdup Time	Comments
2.0KW/2.5KVA	<a href="#">PTC-0359</a>	19", 3U	10 minutes at 1.5KW	Full compliance with MIL-STD-1399 section 300B Complies with MIL-S-901D
2.5KW/3KVA	<a href="#">PTC-0362</a>	19", 3U	130 min at 1KW 48 min at 2.4KW External battery pack	Full compliance with MIL-STD-1399 section 300B Complies with MIL-S-901D

\*Customer select (built to order)



## Production & Trading Company AG

Gewerbestrasse 9, P.O. Box, CH-6330 Cham, Switzerland  
phone 041 740 4554, fax 041 740 4664, <http://www.ptcag.ch>, e-mail: [ptc@bluewin.ch](mailto:ptc@bluewin.ch)



# Products Selection Guide

All products comply with MIL-STD-704, MIL-STD-1275, MIL-STD-461 and MIL-STD-810.  
All units can be modified to meet your requirements.  
See our web site at [www.ptcag.ch](http://www.ptcag.ch) for detailed datasheets.

Power	Model	Dimensions	Voltage Range*	Max Current*
<b>DC/DC Converters – Input Range 18-48V</b>				
Single Output				
50W	<a href="#">PTC-07419</a>	2.35" X 2" X 0.49"	1.8V to 50V	12A
75W	<a href="#">PTC-07009</a>	3.26" X 1.83" X 0.72"	1.8V to 50V	10A
150W	<a href="#">PTC-07228</a>	4.38" X 2.76" X 0.61"	2V to 15V	50A
200W	<a href="#">PTC-07318</a>	4.2" X 2.5" X 0.5"	3.3V to 50V	18A
400W (500W peak)	<a href="#">PTC-07025</a>	5.3" X 2.75" X 0.8"	3.3V to 50V	40A
400W (500W peak)	<a href="#">PTC-07225</a>	4" X 3.6" X 0.8"	3.3V to 50V	21A
400W (500W peak)	<a href="#">PTC-07325</a>	4.6" X 3.6" X 0.8"	3.3V to 50V	21A
400W (500W peak)	<a href="#">PTC-06500</a>	5.4" X 3.1" X 0.67"	2V to 15V	60A
320W	<a href="#">PTC-04243</a>	5.57" X 3.5" X 1.1"	270V to 320V	1A
440W (500W peak)	<a href="#">PTC-04244</a>	6.5" X 4.5" X 0.85"	18V to 70V	30A
800W (1000W peak)	<a href="#">PTC-07425</a>	6.24" X 4.64" X 1.15"	3.3V to 50V	50A
Dual Output				
30W	<a href="#">PTC-02786</a>	2.35" X 2" X 0.49"	Out #1: 2V to 28V Out #2: 2V to 28V	Out #1: 5A Out #2: 5A
60W	<a href="#">PTC-0712</a>	2.95" X 2.95" X 0.7"	Out #1: 2V to 50V Out #2: 2V to 50V	Out #1: 5A Out #2: 5A
80W	<a href="#">PTC-08727</a>	3.75" X 2.6" X 0.5"	Out #1: 2V to 50V Out #2: 2V to 50V	Out #1: 15A Out #2: 15A
125W	<a href="#">PTC-08053</a> Input 18-70V	5.06" X 2.7" X 0.61"	Out #1: 3.3V to 28V Out #2: 3.3V to 28V	Out #1: 12A Out #2: 12A
150W	<a href="#">PTC-08253</a>	5.4" X 3.1" X 0.61"	Out #1: 3.3V to 28V Out #2: 3.3V to 28V	Out #1: 15A Out #2: 15A
Triple Output				
50W	<a href="#">PTC-08737</a>	3.75" X 2.2" X 0.5"	Out #1: 3.3V to 50V Out #2: 3.3V to 50V Out #3: 3.3V to 50V	Out #1: 10A Out #2: 1.25A Out #3: 1.25A
125W	<a href="#">PTC-08637</a> Input 18-70V	4.53" X 3.54" X 0.61"	Out #1: 3.3V to 28V Out #2: 3.3V to 28V Out #3: 3.3V to 28V	Out #1: 12A Out #2: 6A Out #3: 6A
600W	<a href="#">PTC-07338</a>	6.5" X 4.75" X 0.7"	Out #1: 3.3V to 50V Out #2: 3.3V to 50V Out #3: 3.3V to 50V	Out #1: 20A Out #2: 20A Out #3: 20A

\*Customer select (built to order)



# Products Selection Guide

Power	Model	Dimensions	Voltage Range*	Max Current*
DC/DC Converters – Input Range 18-48V				
Quad Output				
60W	<a href="#">PTC-0714</a>	2.95" X 2.95" X 0.92"	Out #1: 2V to 50V Out #2: 2V to 50V Out #3: 3.3V to 50V Out #4: 3.3V to 50V	Out #1: 5A Out #2: 5A Out #3: 2A Out #4: 2A
60W	<a href="#">PTC-08149</a>	3.1" X 2.16" X 0.5"	Out #1: 2V to 30V Out #2: 2V to 24V Out #3: 2V to 24V Out #4: 2V to 24V	Out #1: 2A Out #2: 3A Out #3: 1.25A Out #4: 1.25A
100W	<a href="#">PTC-08747</a>	4.4" X 2.75" X 0.5"	Out #1: 2V to 50V Out #2: 2V to 50V Out #3: 2V to 24V Out #4: 2V to 24V	Out #1: 18A Out #2: 12A Out #3: 1.25A Out #4: 1.25A
125W	<a href="#">PTC-08647</a> Input 18-70V	4.53" X 3.9" X 0.61"	Out #1: 3.3V to 28V Out #2: 3.3V to 28V Out #3: 3.3V to 28V Out #4: 3.3V to 30V	Out #1: 12A Out #2: 6A Out #3: 6A Out #4: 3A
150W	<a href="#">PTC-08453</a>	5.5" X 3.25" X 0.61"	Out #1: 1.8V to 15V Out #2: 1.8V to 15V Out #3: 2V to 24V Out #4: 2V to 24V	Out #1: 18A Out #2: 15A Out #3: 1.25A Out #4: 1.25A
Five Output				
100W	<a href="#">PTC-08757</a>	4.49" X 2.75" X 0.5"	Out #1: 1.8V to 50V Out #2: 2V to 24V Out #3: 2V to 24V Out #4: 2V to 24V Out #5: 2V to 24V	Out #1: 24A Out #2: 1.25A Out #3: 1.25A Out #4: 1.25A Out #5: 1.25A
125W	<a href="#">PTC-08657</a> Input 18-70V	4.92" X 3.9" X 0.61"	Out #1: 3.3V to 28V Out #2: 3.3V to 28V Out #3: 3.3V to 28V Out #4: 3.3V to 28V Out #5: 3.3V to 24V	Out #1: 6A Out #2: 6A Out #3: 6A Out #4: 3A Out #5: 1.5A
Six Output				
80W	<a href="#">PTC-08767</a>	3.9" X 2.5" X 0.5"	Out #1: 3.3V to 24V Out #2: 3.3V to 24V Out #3: 3.3V to 24V Out #4: 3.3V to 24V Out #5: 3.3V to 24V Out #6: 3.3V to 24V	Out #1: 1.25A Out #2: 1.25A Out #3: 1.25A Out #4: 1.25A Out #5: 1.25A Out #6: 1.25A
125W	<a href="#">PTC-08667</a> Input 18-70V	4.92" X 3.9" X 0.61"	Out #1: 3.3V to 28V Out #2: 3.3V to 28V Out #3: 3.3V to 28V Out #4: 3.3V to 28V Out #5: 3.3V to 24V Out #6: 3.3V to 24V	Out #1: 6A Out #2: 6A Out #3: 6A Out #4: 3A Out #5: 1.25A Out #6: 1.25A
Eight Output				
145W	<a href="#">PTC-0802</a> Input 18-70V	5.1" X 4.1" X 0.61"	Out #1: 1.8V to 50V Out #2: 1.8V to 50V Out #3: 1.8V to 50V Out #4: 1.8V to 28V Out #5: 1.8V to 28V Out #6: 1.8V to 50V Out #7: 1.8V to 50V Out #8: 1.8V to 50V	Out #1: 6A Out #2: 6A Out #3: 6A Out #4: 9A Out #5: 9A Out #6: 6A Out #7: 2A Out #8: 2A
145W	<a href="#">PTC-0814</a> Input 18-70V	6.5" X 3.3" X 0.61"	Out #1: 1.8V to 50V Out #2: 1.8V to 50V Out #3: 1.8V to 50V Out #4: 1.8V to 28V Out #5: 1.8V to 28V Out #6: 1.8V to 50V Out #7: 1.8V to 50V Out #8: 1.8V to 50V	Out #1: 12A Out #2: 6A Out #3: 6A Out #4: 3A Out #5: 3A Out #6: 3A Out #7: 3A Out #8: 3A

\*Customer select (built to order)



# Products Selection Guide

Power	Model	Dimensions	Voltage Range*	Max Current*
DC/DC Converters – Input Range 18-48V				
Nine Output				
250W	<a href="#">PTC-0635</a> Input 18-70V	7.68" X 4.72" X 0.81"	Out #1: 3.3V to 28V Out #2: 3.3V to 28V Out #3: 3.3V to 28V Out #4: 3.3V to 28V Out #5: 3.3V to 28V Out #6: 3.3V to 50V Out #7: 1.8V to 50V Out #8: 1.8V to 50V Out #9: 1.8V to 50V	Out #1: 10A Out #2: 5A Out #3: 5A Out #4: 5A Out #5: 5A Out #6: 5A Out #7: 5A Out #8: 5A Out #9: 5A
AC/DC Converters - Single Phase Input				
Single Output				
200W	<a href="#">PTC-0198</a>	6.2" X 4.6" X 0.79"	3.3V to 48V	20A
1000W	<a href="#">PTC-0169</a>	9.84" X 5.51" X 1.5"	3.3V to 270V	105A
Quad Output				
150W	<a href="#">PTC-0185</a>	8.19" X 6.34" X 0.81"	Out #1: 3.3V to 24V Out #2: 3.3V to 24V Out #3: 3.3V to 28V Out #4: 1.8V to 15V	Out #1: 5A Out #2: 5A Out #3: 10A Out #4: 40A
AC/DC Converters - Triple Phase Input				
Single Output				
400W	<a href="#">PTC-0174</a>	6.6" X 5.66" X 1.1"	3.3V to 48V	80A
500W	<a href="#">PTC-0115</a>	5.67" X 3.5" X 1.1"	5V to 40V	40A
1000W	<a href="#">PTC-0183</a>	6.44" X 3.7" X 1.5"	3.3V to 48V	55A
1500W	<a href="#">PTC-0286</a>	8.86" X 6.3" X 1.9"	3.3V to 48V	60A
2000W	<a href="#">PTC-0186</a>	6.9" X 5.81" X 1.6"	3.3V to 48V	80A
2000W	<a href="#">PTC-0251</a>	6.45" X 5.45" X 1.45"	270 to 330V	7A
Single/Dual Output				
90W	<a href="#">PTC-0914</a>	4.92" X 3.15" X 1.5"	Out #1: 3.3V to 28V Out #2: 3.3V to 28V	Out #1: 8A Out #2: 8A
Quad Output				
460W	<a href="#">PTC-0199</a>	8.64" X 5.9" X 1.15"	Out #1: 1.8V to 15V Out #2: 3.3V Out #3: 1.8V to 24V Out #4: 1.8V to 24V	Out #1: 60A Out #2: 18A Out #3: 5A Out #4: 5A
Five Output				
300W	<a href="#">PTC-0191</a>	6" X 5" X 1.25"	Out #1: 3.3V to 12V Out #2: 3.3V to 12V Out #3: 3.3V to 25V Out #4: 3.3V to 15V Out #5: 3.3V to 25V	Out #1: 15A Out #2: 15A Out #3: 4A Out #4: 4A Out #5: 9A
Seven Output				
300W	<a href="#">PTC-0391</a>	6" X 5.7" X 1.25"	Out #1: 3.3V to 28V Out #2: 3.3V to 28V Out #3: 3.3V to 13V Out #4: 3.3V to 13V Out #5: 3.3V to 13V Out #6: 3.3V to 12V Out #7: 3.3V to 12V	Out #1: 10A Out #2: 10A Out #3: 3A Out #4: 3A Out #5: 3A Out #6: 15A Out #7: 15A
DC / AC Inverters – Input Range 18-70V				
Single Phase - Single Output				
100VA	<a href="#">PTC-04242</a>	3.44" X 3.44" X 1.34"	26Vac to 115Vac	2.3A
350VA (500VA peak)	<a href="#">PTC-04252</a>	7" X 6.5" X 0.85"	75Vac to 115Vac	4.3A

\*Customer select (built to order)