AlphaCap 665

Short Duration Backup Supply Module

- Provide 3 to 30 seconds of backup power (holdup) of 48VDC to remote loads such as xDSL and FTTx equipment to ensure maximum reliability

- Supply up to 750W of continuous power ouput

- Ensure load equipment can ride through brief converter resets

- Reduce truck rolls and operating expenses with no batteries at remote site

The AlphaCap provides short duration backup power for 48VDC powered remote loads used in xDSL and FTTx equipment.

Typical applications would be holding up remote equipment deployed using remote/line powering solutions, which are susceptible to brief outages (due to transients and GFI resets), as well as local powered remote systems deployed with battery eliminators (such as DC rectifier without battery backup). The AlphaCap-655 backup power module uses an array of ultracapacitors in conjunction with a DC-DC converter board. The system is paralleled on the 48VDC bus of the load similar to a battery. The AlphaCap-655 backup power module provides continuous voltage output for a load up to 750W for a period of time.

AlphaCap 665 Short Duration Backup Supply Module

Part Number: 013-015-20-040

Electrical	
Input Voltage:	-48 to -56VDC
Input Current (Charge):	160 mA ±10% max
Backedup Output Voltage:	-46VDC ±3%
Power:	665W nominal, 750W max
Duration backup:	• 4.5 seconds, 665W @ 5 to 55°C • 3 seconds minimum, 665W @ -40 to 65°C • 30 seconds maximum duration at low load • 3.8 seconds, 750W load

Mechanical	
Dimensions:	**mm:** 43H x 183Wx 350D **inches:** 1.7H x 7.2W x 13.8D
Mounting:	L-shaped brackets for wall mounting

Environmental	
Temperature:	**Nominal:** 5 to 55°C (41 to 131°F) **Extended:** -40 to 65°C (-40 to 149°F)
Storage:	-40 to 85°C (-40 to 185°F)
Humidity:	0 to 95% RH non-condensing

Agency Compliance	
Safety:	• UL 60950-1 • CSA C22.2 No. 60950
FCC:	47 CFR Part 15 Class A