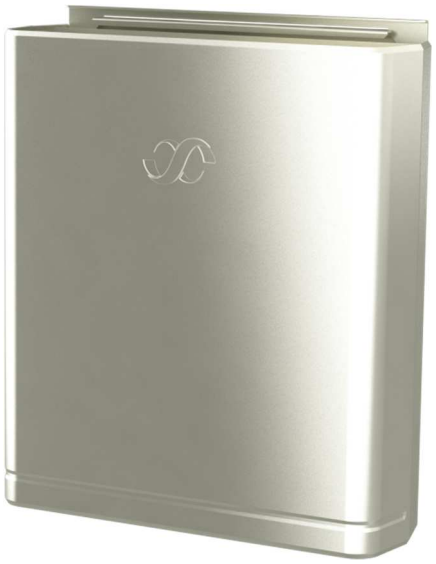
High efficiency and reliable IP65 system

With the rollout of 4G, LTE and other broadband services, the telecom infrastructure is installed closer to where people are. The challenge for the operators is to provide an optimal service without having a significant visual impact in the city streets, shopping malls or sports arenas.

The Chameleon S 48V 1300W IP65 system is targeting these applications. A compact and insignificant exterior and a powerful interior well protected by an IP65 housing. It is prepared for mounting close to the Telecom equipment on a pole or wall.



CHAMELEON SYSTEMS

48V 1300W 7AH

Doc MFGC0212.00x.DS3 – v1

APPLICATIONS

TELECOM – MOBILE / WIRELESS

- **SMALL CELL**
  - **LTE**
  - **3G**
  - **4G**
  - **WIMAX**

SYSTEM WITHOUT COVER AND OPEN SYSTEM BOX

KEY FEATURES

- SURGE PROTECTION ON INPUT AND OUTPUT
- COMPLETE ~30MIN BACKUP SYSTEM*
  - TEMPERATURE COMPENSATED CHARGING
  - LOW VOLTAGE BATTERY DISCONNECT
  - ADVANCED MONITORING: ENERGY LOGS, BATTERY, PERFORMANCE, TEMPERATURES
- FREE VENTED BATTERY COMPARTMENT
- HIGH EFFICIENCY (HE)
- WIDE TEMPERATURE RANGE
- POLE OR WALL MOUNT
- GLOBAL COMPLIANCE (CE, UL)
- TELECOM SPECIFICATIONSMM

***@ 600W load and 7Ah batteries. Batteries not included.**

CHAMELEON SYSTEMS

48V 1300W 7AH

Model	Chameleon 48V 1300W 7Ah
Part number	MFGC0212.000
INPUT DATA	
Voltage (nominal/range)	185 - 265 V_{AC} / 85 - 265 V_{AC} (Shutdown above 305 V_{AC})
Frequency	45 - 66 Hz
Mains Configuration	1 x Single phase + PE
Mains Connection	4 mm^2 pluggable terminals blocks in system box
Surge protection (included in system box)[1)]	IEC 61000-4-5 (Test level X: 8 kV)
OUTPUT DATA	
Voltage (nominal/range)	- 48 V_{DC} / -43.2 – -57.6 V_{DC}
Power (maximum @ nominal input / 85 V_{AC})	1300 W / 750W
Current (maximum)	26.7 A
Surge protection (included in system box)[2)]	IEC 61000-4-5 (Test level X: 8 kV)
BATTERY DISTRIBUTION	
LVBD	Default
MCB	2 x 30A
Connection	4 mm2 pluggable screw terminals
Battery compartment included	1pc; incl. Temp. probe and cables (faston tab: 0.8 x 6.35 mm [.032 x .25"])
Supported battery dimensions (LxWxH)	4pcs 138 x 86 x 99 mm [5.4x3.4x3.9"] or 151 x 65 x 100 mm [5.9x2.5x3.9"]
LOAD DISTRIBUTION	
Number of branches (rating)	2 (20 A, 20 A)
Connection	4 mm^2 pluggable screw terminals
CONTROL & MONITORING	
Compack	3 x Input (Configurable: Digital, temperature or battery symmetry; 1 used for batt. temp.) 3 x Relay Output (Max 75V / 2A / 60W) Ethernet (RJ45): SNMP, Webpages, E-mail
OTHER	
Operating temperature	-40 to +55°C [-49 to +131°F][3)] / Shutdown above 70°C [158°F]
Storage temperature	-40 to +85°C (-40 to +185°F)
Environment protection	IP 65 - Rectifiers and system box IP23 - battery compartment (free vented)
Seismic	Zone 4 (Telcordia GR 63 core)
Cable entry	System box - from bottom via 8 IP65 cable glands / battery box via 2 cable glands
Cable outer diameter support	10 - 14 mm [0.39 - 0.55"], except Ethernet 6 - 8.5 mm [0.24 - 0.3"]
Dimensions (WxHXD)	467 x 546 x 150 mm [18.4 x 21.5 x 5.9"]
Weight, including rectifiers, system box and battery compartment, excluding batteries	12.0 kg [26.5 lbs]
DESIGN STANDARDS	
Electrical safety	EN 60950-1:2006+A11:2009+A1:2010+A12:2011, EN 60950-22:2006+A11:2008[4)] UL 60950-1:2011, UL 60950-22:2011[4)]
EMC	ETSI EN 300 386 v.1.6.1, FCC Part 15 Subpart 109:2013 EN 61000-6-1:2007, -6-2:2005, - 6-3:2007 + A1:2010, - 6-4:2007 + A1:2010
Environment	ETSI EN 300 019-2-1 Class 1.2, -2 Class 2.2, -4 Class 4.1E + 4.2H

1) Field replaceable
2) No field replacement or monitoring
3) RAL installation required for temperatures above 60°C [140°F]
4) Internal surge protection does not comply with IEC 61643, so for applications where the product may be subject to transient overvoltages exceeding those for Overvoltage Category II, an AC Overvoltage Protection Device (OVP) complying with IEC 61643-series must be installed on the AC supply.

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