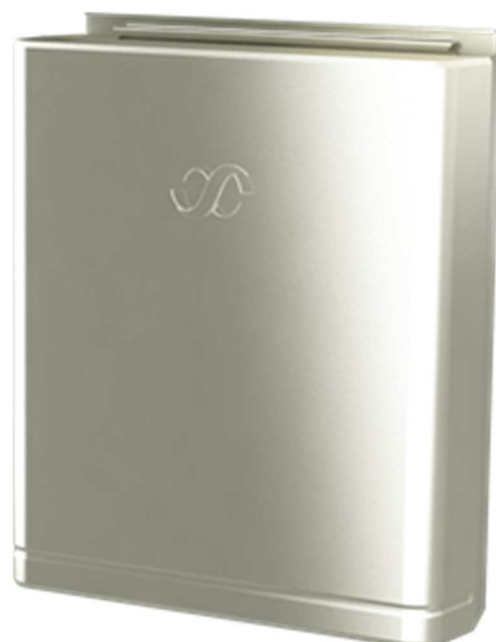


Compact versatile HE system for outdoor applications

The Chameleon 48V 1300W IP65 system is designed to blend into the environment in city streets, shopping malls, sport arenas, train stations or any other public areas.

Rectifiers (HE), controller and distributions enclosed in a convection cooled IP65 housing to ensure quiet, safe and reliable operation in all weather conditions, as well as keeping the maintenance and operational cost on a minimum.

With no disturbing fans and no environmental impact you can bring the Chameleon close to where people are, hence it is perfect for providing optimal service for 5G, 4G, LTE and other broadband services.



CHAMELEON SYSTEMS

48V 1300W 7Ah

Doc MFGC0212.00x.DS3 – rev3

APPLICATIONS

TELECOM – MOBILE / WIRELESS

- Small cell
- 5G
- LTE
- 4G
- WiMAX

RAILWAY & METRO INFRASTRUCTURE

- Axle counter systems
- Rail communication
- Level crossings
- Signaling



KEY FEATURES

- COMPLETE SYSTEM WITH ~30MIN BACKUP*
- CONVECTION COOLED, NO FANS
- FREE VENTED BATTERY COMPARTMENT
- WIDE TEMPERATURE RANGE
- HIGH EFFICIENCY (HE)
- SURGE PROTECTION ON INPUT AND OUTPUT
- TEMPERATURE COMPENSATED CHARGING
- LVBD
- ADVANCED MONITORING: ENERGY, LOGS, TEMPERATURES BATTERY, PERFORMANCE
- POLE OR WALL MOUNT
- GLOBAL COMPLIANCE (CE, UL)
- TELECOM SPECIFICATIONS

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

Model		CHAMELEON 48V 1300W 7AH	
Part number	MFGC0212.000	MFGC0212.001	
INPUT DATA			
Voltage nominal / operating range	185 - 265 V _{AC} / 85 - 265 V _{AC} (Shutdown above 305V _{AC})		
Frequency	45 - 66 Hz		
Mains configuration	1 x Single phase + PE		
Mains connection	4mm ² pluggable screw terminals		
Surge protection, embedded	IEC 61000-4-5 (Test level X: 8 kV) ¹⁾		
OUTPUT DATA			
Voltage nominal / adjustable range	-48 V _{DC} / 43.5 - 57.6 V _{DC}		
Power: maximum @ nominal input / 85 V _{AC}	1300 W / 750 W ²⁾		
Current maximum @ nominal input	26.7 A (@V _{OUT} < 48V _{DC})		
Protection	IEC 61000-4-5 (Test level X: 8 kV) ¹⁾		
BATTERY DISTRIBUTION			
LVBD	Default		
Breaker positions (pluggable B-frame)	2 x 30A	1 x 30A	
Connection	4mm ² pluggable screw terminals		
Supported battery dimensions (LxWxH)	4pcs 138x86x99mm or 151x65x100mm		
LOAD DISTRIBUTION			
Breaker positions (pluggable B-frame)	2 x 20A, 1 x 10A	3 x 20A, 1 x 10A	
Connection	4mm ² pluggable screw terminals		
CONTROL & MONITORING			
Compack	3 x Inputs (configurable: digital, temperature or battery symmetry) 3 x Relay outputs (max 75V / 2A / 60W) Ethernet (RJ45): SNMP, Webpages, E-mail		
OTHER SPECIFICATIONS			
Temperature	Operating: -40 to +55°C (-40 to +131°F) Shutdown above 70°C (185°F)		
Environmental protection class	IP65 – Rectifiers and system box IP23 – Battery compartment (free vented)		
Seismic	Zone 4 (Telecordia GR 63 core)		
Cable entry	Through cable glands in bottom plate (IP65)		
Dimensions	467 x 546 x 150mm [18.4 x 21.5 x 5.9"]		
Weight (without batteries)	12.0kg [26.5 lbs]		
DESIGN STANDARDS			
Electrical safety	EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013; -22:2006+A11:2008 IEC 60950-1:2013; -22:2005, UL 60950-1:2014; -22:2011		
EMC	ETSI EN 300 386 (V.1.6.1) FCC CFR 47 Part 15B:2013 EN 61000-6-1: 2007, 6-2: 2005, 6-3: 2007 + A1: 2011, 6-4: 2007 + A1: 2011 IEC 61000-6-5:2015, EN 50121-4:2015, -5:2015		
Environment	ETSI EN 300 019: -2-1 (class 1.2), -2-2 (class 2.2), -2-4 (Class 4.1E & 4.2H) RoHS (2011/65/EU) and WEEE (2012/19/EU) compliant		
1) If the system may be subject to transients exceeding Overvoltage Category II, an AC Overvoltage Protection Device (OVP) complying with IEC 61643-series must be installed. 392E00061200 - AC SPD replacement card (change if fuses in card has blown)			
2) 1550W up to 40°C on request			
ADDITIONAL ITEMS		PART NUMBER / MODEL	
Pole mount kit	241125.911 - CHAMELEON POLE MOUNT KIT SYS		
Suitable batteries	FIAMM 12FGH36 & 12FGH34, Leoch LHR1235, Sacred Sun SSP12-9HR		
Additional battery compartment	3799079623 - KITS CHAMELEON BATT BOX VRLA		
B-frame hy.mag load breakers, CS char.	0830188919 - 2A, 0830188819 - 5A, 0830189219 - 10A 0830186019 - 15A, 0830189019 - 20A		