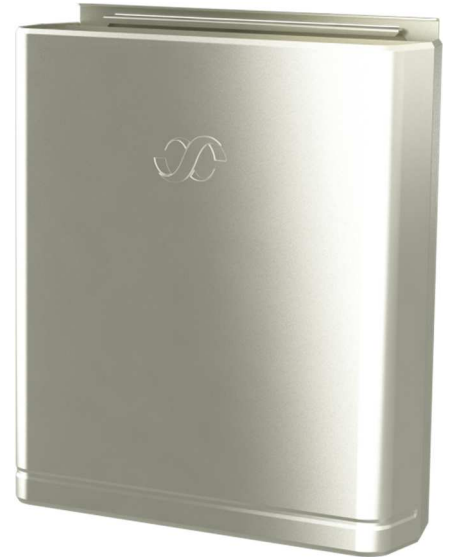


High efficiency and reliable IP65 system

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 – v0C

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.

Model	Chameleon 48V 1300W 7Ah	Chameleon 48V 1300W / 650W xAh
Part number	MFGC0212.000 / CC0212.000	MFGC0212.xxx / CTEC0212.xxx
INPUT DATA		
Voltage	100 - 250 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	1300 W ²⁾	1300 W ²⁾ / 650 W
Max. Current	27 A	27 A / 13.5 A
Surge protection (included in system box) ³⁾	IEC 61000-4-5 (Test level X: 8 kV)	
BATTERY DISTRIBUTION		
LVBD	Default	
MCB	2 x 30A	1 - 2 x 30A
Connection	4 mm ² pluggable screw terminals	
Battery compartment included	Yes (Battery cables for 1 string included)	Optional
Supported battery dimensions (LxWxH)	4pcs 138 x 86 x 99 mm or 151 x 65 x 100 mm	TBD
LOAD DISTRIBUTION		
Number of branches (rating)	2 (20 A, 20 A)	2 - 4 (2 - 20 A)
Connection	4 mm ² pluggable screw terminals	
CONTROL & MONITORING		
Compack	3 x Input (Configurable: Digital, temperature or battery symmetry; 1 used for battery temp.) 3 x Relay Output (Max 75V / 2A / 60W) Ethernet (RJ45): SNMP, Webpages, E-mail	
MECHANICAL DATA		
Dimensions (WxHxD)	467 x 542 x 150 mm [18.4 x 21.3 x 5.9"]	
Weight, including rectifiers, system box and battery compartment, excluding batteries	approx. 13 kg [28.7 lbs]	
OTHER		
Operating temperature	-45 to +55°C (-49 to +131°F)	
Storage temperature	-40 to +85°C (-40 to +185°F)	
Environment protection	IP 65 - Rectifiers and system box IP33 - 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	
DESIGN STANDARDS		
Electrical safety	EN 60950-1 ⁴⁾	
EMC	ETSI EN 300 386 V.1.6.1 EN 61000-6-1/-2/-3/-4	
Environment	ETSI EN 300 019-2-1 Class 1.1 ETSI EN 300 019-2-2 Class 2.2 ETSI EN 300 019-2-4 Class 4.1E + 4.2H	
¹⁾ Field replaceable ²⁾ Maximum 1000W at 55°C (131°F) ³⁾ No field replacement or monitoring ⁴⁾ UL 60950-1 option available later		