

Small versatile HE systems for outdoor applications

The Chameleon Power System family is designed to blend into the environment and is an excellent choice for powering 4G/LTE equipment in cities and public areas.

Rectifiers, controller and distributions are enclosed in a convection cooled IP65 housing to ensure quiet, safe and reliable operation in all weather conditions. The compact design and light weight allows the Chameleon to be mounted close to the power consumption whether it is on a wall or on a pole. The combination of design and High Efficiency rectifiers keep maintenance and operational cost on a minimum.



Chameleon Single Units

Doc MFGC0212.0xx.DS3 – rev1

APPLICATIONS

TELECOM-MOBILE/WIRELESS

- **Small cell**
 - o LTE
 - o 3G
 - o 4G
 - o WIMAX



MFGC0212.004 / 241125.502



MFGC0212.051

KEY FEATURES

- SURGE PROTECTION
- BATTERY DISTRIBUTION
- LVBD
- LOAD DISTRIBUTION
- ADVANCED MONITORING
- TEMPERATURE COMPENSATED CHARGING
- WIDE TEMPERATURE RANGE
- HIGH EFFICIENCY (HE)
- CONVECTION COOLED
- IP65
- DESIGNED FOR EASY INTEGRATION
- POLE OR WALL MOUNTING
- GLOBAL COMPLIANCE (CE,UL)
- TELECOM SPECIFICATIONS

Chameleon Single Units



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CHAMELEON POWER CORE 48V	1300W		650W
Part number	MFGC0212.051 ¹⁾ Front cover, breakers and brackets included	241125.502 Front cover, breakers and brackets not included	MFGC0212.004 ²⁾ Front cover and brackets not included

INPUT DATA

Voltage (nominal / operating)	185 - 275V _{ac} / 85 – 305V _{ac}		
Current nominal / max	6A / 9,2A		3A / 4,6A
Frequency	45 – 66Hz		
Mains Configuration	1 x single phase + PE on 4mm ² pluggable screw terminals		
Surge Protection (Embedded)	IEC 61000-4-5 (Test level X : 10kV) ³⁾		

OUTPUT DATA

Voltage nominal (range)	-48V _{dc} (-43,2 to -57,6V _{dc})		
Power (maximum @ nominal input / 85V _{ac})	1300W / 750W		650W / 375W
Current (maximum)	26,7A		13,5A
Surge Protection (embedded)	IEC 61000-4-5 (Test level X : 10kV)		

BATTERY DISTRIBUTION

LVBD	Default		
Breaker positions (Pluggable B-Frame)	1 x 30A _{max}		
Connection	4mm ² pluggable screw terminals		

LOAD DISTRIBUTION

Breaker positions (Pluggable B-Frame)	4 x 20A _{max}		
Connection	4mm ² pluggable screw terminals		

CONTROL & MONITORING

Compack	3 x Input (Configurable: Digital, temperature or battery symmetry; 1 for batt. Temp) 3 x Relay Output (Max 75V / 2A 60W) Ethernet (RJ45): SNMP, Webpages, E-mail		
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OTHER SPECIFICATIONS

Auxiliary output (Li-Ion Heaters only)	1 x 3A _{max}		
Operating Temperature	-40 to +55°C [-40 to +131°F]		
Ingress Protection	IP65		
Seismic	Zone 4 (Telecordia GR 63 core)		
Cable entry	Bottom entry through glands		
Dimensions W/H/D	266 x 544 x 149mm	202 x 430 x 104mm	202 x 430 x 104mm
Weight	7.0 kg	6.8kg	6.0kg

DESIGN STANDARDS

Electrical safety	EN 60950-1:2006+A11:2009+A1:2010+A12:2011, EN 60950-22:2006+A11:2008 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		
Mains Harmonics	EN 61000-3-2		
Environment	ETSI EN 300 019-2-1 Class 1.2, -2 Class 2.2, -4 Class 4.1E + 4.2H		

ADDITIONAL ITEMS

Pole Mounting Kit	(241125.911)	For mounting on circular or rectangular pole
Battery Box IP23	(241125.600S/.602)	Designed for 4 x VRLA 7Ah (with cover & brackets / .without cover & brackets)
Recommended Batteries	(231969) (340087) (356876)	Energys DataSafe HX35 Energys PowerSafe SBS8 NEC ALM12V7s HP 5Ah Li-Ion

1) Includes 1x30A Battery breaker and 3x20A + 1x10A Load breakers

2) Includes 1x20A Battery breaker and 1x5A + 1x2A Load breakers

3) Do not comply with IEC 61643. 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 on the AC supply.