

SWITCH MODE TRAVEL CHARGER

REV. 01

FEATURES

- ST PROPRIETARY VIPER TECHNOLOGY
- WIDE RANGE INPUT VOLTAGE
- SINGLE OUTPUT MAX 4W
- DESIGNED FOR ON LINE CHARGING OF MOBILE PHONES
- MTBF > 100000 HOURS
- LIFETIME 8000 HOURS TYP.
- EMC COMPLIANCE TO ETS300-342-1
- SAFETY COMPLIANCE TO EN60950, CSA/ UL1950
- OUTPUT VOLTAGE PRECISION ±5%
- OUTPUT CURRENT PRECISION ±12%
- OUTPUT RIPPLE VOLTAGE <100 mVpp
- (INPUT FUSE PROTECTION)
- OUTPUT SHORT CIRCUIT PROTECTION
- 2 WIRES DC CORD TERMINATED WITH ANY CUSTOM CONNECTOR
- AVAILABLE WITH A VARIETY OF AC PLUGS: AC PLUG SELECTION INCLUDES EUROPE, UK, US, AUSTRALIA, CHINA
- LOW STAND BY POWER
- CE MARKED. UL, AUSTRALIA, UK, SOUTH AFRICA AND CHINA MARKING UF ON REQUEST

Plug Type	Ordering Number		
ELRI	GSAC-xxx/1		
USA	GSAC-xxx/2		
OS UK	GSAC-xxx/3		
AUSTRALIA	GSAC-xxx/4		
CHINA	GSAC-xxx/5		



DESCRIMINON

The ViP Charger has been designed for changing NiMH, NiCd and Li-Ion batteries in GPRS hand held mobile phones.

VIP is a very low cost high efficiency AC/DC switching mode constant voltage & current generator built around ST Viper.

The output voltage and current levels are set up by design in accordance with customer requirements.

Typical output sets of value range from V_0 5 V, I_0 700 mA to V_0 6.5 V, I_0 540 mA.

Reference values in this data sheet are 6.5V, 540mA with the input ranging (90÷264 V_{rms}).

Coming into its light housing, VIP can be assembled with a variety of AC plugs identified by specific ordering numbers.

Typical weight is 50 grams only, without cable.

February 2004 1/5

ELECTRICAL CHARACTERISTICS (T_{amb}=25°C, unless otherwise specified.) GSAC-xxx

Symbol	Parameter	Test Condition	Min.	Тур.	Max.	Unit
Vi	Input Voltage		90		264	V_{rms}
Vo	Output Voltage	0 <i<sub>0 <i<sub>limit</i<sub></i<sub>	6.1	6.5	6.8	V
Io	Output Current limit	0 <v<sub>0 <v<sub>limit</v<sub></v<sub>	480	540	600	mA
V _{or}	Output Ripple	I _o =limit V _o =4V			100	mVpp
Vis	Isolation Voltage	Input to Output, t=60s (EN60950)	3000			V _{rms}
T _{op}	Operating Ambient Temperature		-5		55	°C
T _{stg}	Storage Temperature Range		-20		70	°C
n	efficiency			75%		
	M.T.B.F.	T _a =25°C I _o =540mA	10 ⁵			h
	Lifetime	T _a =25°C I _o =540mA		8000	Cili	h

AGENCY APPROVALS

The charger is compliant with most popular safety and EMC requirements, including but limited to:

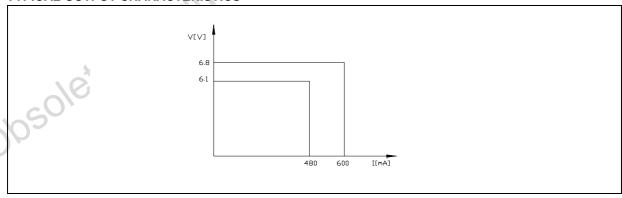
EN60950

UL1950

ETS300-342-1

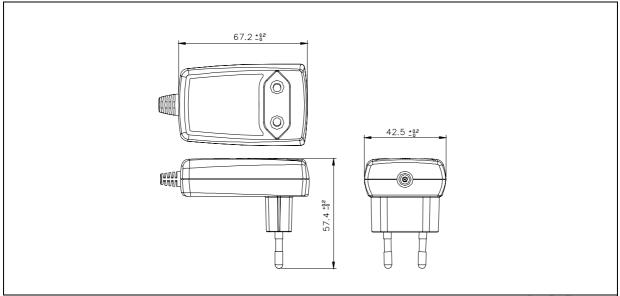
It is marked CE, other marking including UL, AUSTRALIA, UK, SOUTH AFRICA and CHINA are available upon request and agreement.

TYPICAL OUTPUT CHARACTERISTICS

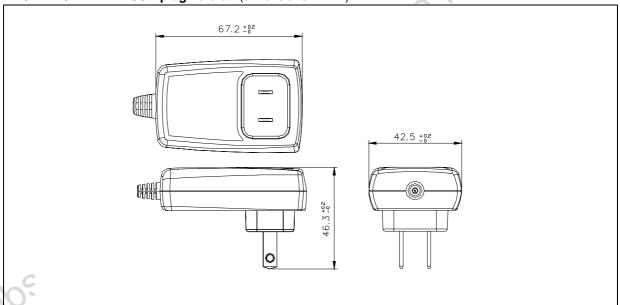


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MECHANICAL DATA EURO plug version (dimensions in mm)

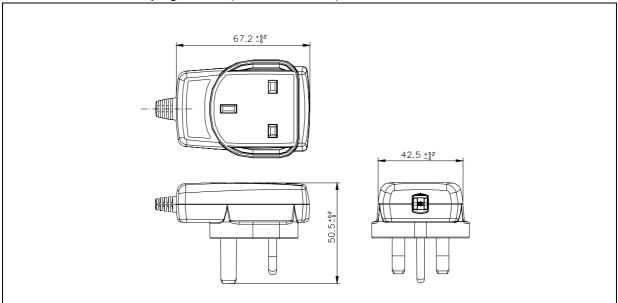


MECHANICAL DATA USA plug version (dimensions in mm)



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MECHANICAL DATA UK plug version (dimensions in mm)



Obsolete Product(s).

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