

## Item: 60W AC/DC power adapter



\* - I0AB4806 shown

Compatibility List			
P/N	Version	Radio compatibility	Connector supplied
CFGB4811	FCC, USA plug	CFM	2ESDV-02P
CFGB4812	ETSI, EU plug		
CFGB4813	FCC, USA plug	CFIP-106	DC plug 2.5/5.5 mm
CFGB4814	ETSI, EU plug	CFIP-108	
CFGB4817	AUS plug	CFM	2ESDV-02P
I0AB4805	FCC, USA plug	Lumina	Terminal block
I0AB4806	ETSI, EU plug		
I0AB4812	ETSI, EU plug	CFIP-108	-
		FreeMile	
		Lumina	
I0AB4813	FCC, USA plug	CFIP-106	-
		FreeMile	
		Lumina	
I0AB4817	AUS plug	Lumina	Terminal block
I0AB4819	AUS plug	CFIP-108	-
		FreeMile	
		Lumina	
U0AB4801	FCC, USA plug	Marathon	-
U0AB4802	ETSI, EU plug		
U0AB4803	ETSI, EU plug		

## Description

AC/DC switching mode power supplies provide 63 Watts of continuous output power. All supplies are UL 94V-1 min compliant, include IEC-320-C14 input for worldwide applications. All models meet FCC Part-15 class B and CISPR-22 class B emission Limits and are designed to comply with UL/c-UL (UL 60950-1:2<sup>nd</sup> Edition), TUV/GS (EN 60950-1:2<sup>nd</sup> Edition) and new CE requirements. All units are 100% burned in and tested.

## Features:

- Wide Input Voltage 90 to 264 VAC, 47 to 63 Hz
- IEC-320-C14 Input Inlet
- Single Output
- Over Voltage Protection (Crowbar Design)
- Altitude 0 – 3 000 m
- Class I
- Energy Star 2.0, Efficiency level V
- 2 year warranty

## Output voltage and current rating

Output voltage	40 ~ 50 VDC
Output current	1.58 ~ 1.26 A
Total regulation	3%
Max output power	63W

## Electrical Characteristics

Sym.	Parameter	Test Conditions	Min.	Typ.	Max.	Unit
Vin	Safety Approvals Input Voltage Range		100		240	VAC
	Operate Voltage Range		90		264	VAC
fin	Input Frequency		47		63	Hz
Po	Output Power Range	Vin=90 to 264VAC	0		63	W
Vo	Output Voltage Range		See rating chart			V
Io	Output Current Range		See rating chart			A
Iil	Input Current (Low Line)	Io=Full load, Vin=115VAC			1.6	A
Iih	Input Current (High Line)	Io=Full load, Vin=230VAC			0.7	A
Irl	Low Line Inrush Current	Io=Full load, 25°C, Cool start, Vin=115VAC		31	35	A
Irh	High Line Inrush Current	Io=Full load, 25°C, Cool start, Vin=230VAC		62	70	A
Eff	Efficiency	Io=Full Load, Vin=230VAC	84	88	91	%
REG-i	Line Regulation	Io=Full Load		0.5	1	%
REG-o	Load Regulation	Vin=230VAC		3	5	%
OVP	Over Voltage Protection		112		132	%
OCP	Over Current Protection		102		150	%
Ttr	Time of Transient Response	Io=Full Load to Half Load, Vin=100VAC			4	mS
Thold	Hold-Up Time	Io=Full Load, Vin=110VAC	16			mS
Ts	Start Up Time	Io=Full Load, Vin=100VAC	0.3	1	2	S
Vp-p	Ripple & Noise (Peak to Peak)	Full Load, Vin=90VAC		0.5	1	%
Ilk	Safety Ground Leakage Current	Io=Full Load, Vin=240VAC		0.5	0.75	mA
TC	Temperature Coefficient	All output	-0.04		0.04	%/°C
Pno	No-Load Power Consumption	No load, Vin=240VAC	0.1		0.5	W

## Environmental

Sym.	Parameter	Test Conditions	Min.	Typ.	Max.	Unit
Toper	Operating Temperature		0	40	70	°C
Tstg	Storage Temperature		-40		85	°C
Ho	Operating Humidity		0		95	%
Hr	Storage Humidity		0		75	%
MTBF	Operating Temperature at 25°C, Calculated per MIL-HDBK-217F		0.13M			Hrs
Pd	Derate linearly from 100% load at 40°C to 50% load at 70°C					

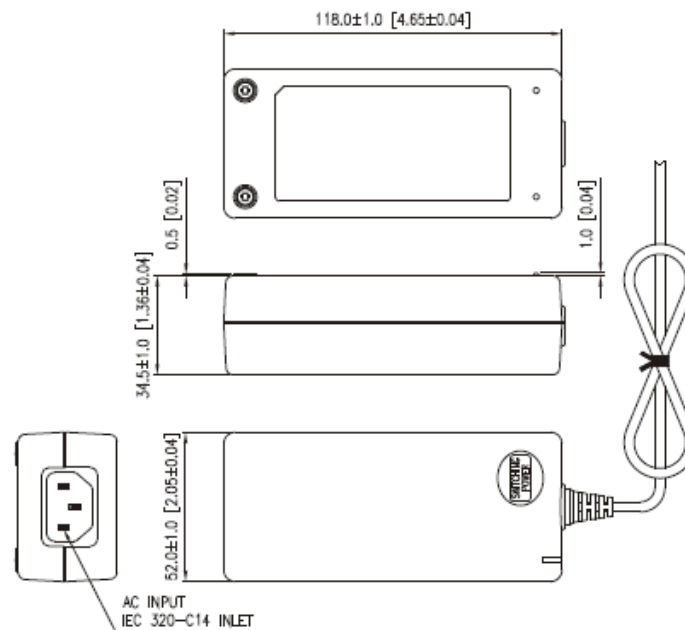
## Safety Approvals



## Safety Specifications

Sym.	Parameter	Test Conditions	Min.	Typ.	Max.	Unit
Vps	Dielectric Withstanding Voltage for Primary to secondary	Primary to secondary	4242			VDC
Vpg	Dielectric Withstanding Voltage for Primary to Ground	Primary to ground	2121			VDC
Ris	Isolation Resistance	Test Voltage=500VDC	50			M $\Omega$
CISPR	EMI requirements for CISPR-22	Vin=220VAC	B			CLASS
FCC	EMI requirements for FCC PART-15	Vin=110VAC	B			CLASS

## Mechanical Specifications



## Note:

1. Dimensions are shown in mm.
2. Weight: 340g approx.