POWERLD

40AH LEAD-ACID BATTERY CHARGER

*** Two options for user:**
*** 1. connect to V+/V-,it is a normal SMPS**
*** 2. connect to BAT+/BAT-,it is used as a charger for 40AH Battery**
*** Protections:OVP/OLP/SCP/RBP**
*** No minimum load required;**
*** High efficiency; High reliability.**
*** 100%full load burn-in test;**

Model: GSM-H60S12III-EX

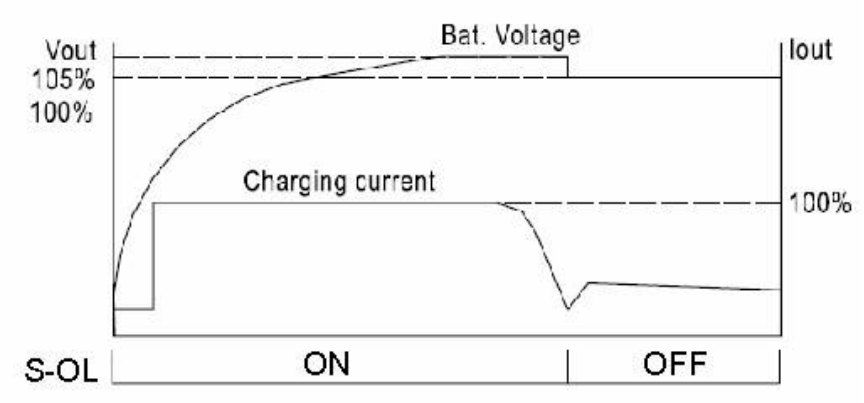
Specification:

All specification are typical at nominal input, full load at 25 degrees C otherwise stated.

INPUT	Input Voltage Range	176Vac~265Vac
	Input Frequency (Hz)	47Hz~63Hz
	Rated Input Voltage	220Vac
	Efficiency (%)	80% typ
	Inrush Current	＜50A
	Input Current	＜1. 0A
OUTPUT	Output Voltage	V+/BAT+
		+12V
	Load Current	0A～5A
	Line Regulation	＜±0.5%
	Load Regulation	＜±2.0%
	Ripple & Noise (mVp-p) 0～20MHz	＜120mVP-P
	Temperature coefficient	＜0.03%/℃
	Adjusted Voltage	11.40V~13.80V
	Start-up Time	<1.0S
	Hold-up Time	> 20mS
	Output Power	60Wtyp
PROTECTION FUNCTION	Over Current Protection	105%~150%，Constant Current
	Over Voltage Protection	125%~160%，shut down
	Short Circuit Protection	Auto recovery
	Reverse Battery Protection(When SMPS use as a charger)	BAT+ no output
LED INDICATION	S-PG	Power Good Indication
	S-OL	Charging Status Indication
	S-RB	Reverse Battery Indication
ISOLATION	Primary to Secondary	3.0KVAC/min, Cutoff current<10mA
	Primary to P.G	1.5KVAC/min, Cutoff current<10mA
	Secondary to P.G	0.5KVDC/min, Cutoff current<10mA
ISOLATION RESISTANCE	Primary to Secondary	>100MΩ
	Primary to P.G	>100MΩ
	Secondary to P.G	>100MΩ
STRUCTURE	Dimensions(L*W*H)	129×98×38 (mm)
	Cooling method	free air convection
ENVIRONMENT	Operating temperature & humidity	0℃~45℃, 20%～90% RH
	Storage temperature & humidity	-10℃~55℃, 10%～95% RH
	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25℃ of ambient temperatur	

NOTE	2. Ripple& noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF &47uF parallel capacitor . 3. Tolerance: includes set up tolerance, line regulation and load regulation . **4 .if the battery voltage is lower than 8.1Vdc,the SMPS don't charge the battery**

Charging Curve:



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