

Suitable: For GEL & Flood BATTERY

Country of Origin : Taiwan

Operating Temperature : -10 ÷ 50 [°C]

Dimension : 180 x 80 x 50 [mm]

Approvals / Marks :

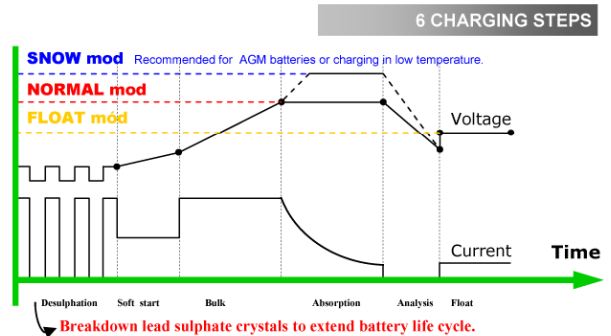


RoHS



Features:

- Controlled by microprocessor. DIGITAL SMART CONTROL
- Protections: SCP/OVP/OTP
- Batteries reverse protection.
- High Efficiency Design
- Desulphation – Pulse charging breakdown the lead sulphate crystals to extend battery life cycle.
- (14÷150)Ah / 12V (Lead-Acid, Wet, MF, AGM, GEL), maximum maintenance 225Ah
- Prevent sparks during DC clips connecting.
- Two tack switches for 3 charging modes.
- Ideal for motorcycle, ATV, snowmobile and auto boat.
- Smart 6 charging steps. | RoHS conform
- Main electrolytic capacitors is used 105°C
- Build-in active PFC>0.99 (optional).



Specification:

Model	Corcel-II 06			
Category	Description:			
INPUT	Current Rating:	4A	AC Current:	2.5A@230VAC
	AC Voltage:	(184 ÷ 264)V	Inrush Current:	40A at 230 VAC
	Frequency:	(47 ÷ 63)Hz	Leakage Current:	<1mA / 240 Vac
OUTPUT	Charge Voltage:	14.4VDC±2%@"GEL" mode 15VDC±2%@"SNOW" mode (Selection by switch) 13.7VDC±2%@"Float" mode	Battery Draining Current:	<0.2mA @ Vin=0V
	Charger Current Range:	1A±10% @ "Motorcycle" mode 3A±10% @ "Car" mode 6A±10% @ "Truck/Van" mode	Voltage Tolerance:	±2%
	6 Charge steps:	Desulphation:Desulphation will pulse and revive sulphated batteries.	Battery type:	>14Ah 12V All types of Lead-Acid (Wet, MF, AGM, GEL)
		Soft start:the charging current is limited for checking the situation and features of batteries.	Float stage:	13.7V±10%
		Bulk:main charging step provides most of current to speed up the charging.	Recommended Battery Type:	Lead acid
		Absorption:terminal voltage maintains at original level and current drops after battery charged full.	Recommended Battery Size:	14÷150Ah
		Analysis:charger tests the charging situation of charged batteries.	Rated Maximum Power:	88W
Float:maintains a charged battery.	Ripple&Noise:	Max (200mV, 83%)		

Features:					
PROTECTION	Thermal protection:	Key part detect over 80°C ± 5°C and by shutdown output voltage. Recovers automatically after fault condition has removed.	Short circuit protection:	YES.(NO Charge till fault has removed)	
	Polarity reverse protection:	YES.(NO Charge till fault has removed)		Disconnect:	YES.(NO Charge and sparks when clips disconnect or short)
	Non 12V protection:	YES.(No Charge when Vbat<2v or Vbat>15.5v)			
LED Status Indicator	Snow LED Sign	LED on:charge voltage 14.7vdc. LED off:normal charge voltage 14.4vdc.(Blue LED)			
	Mode LED Sign	Selection by mode switch for Choice Motorcycle/Car/Truck charging mode(green LED)			
	Charging LED Sign	LED off:standby,LED flash:charging .LED on: battery has charged full.(green LED)			
	Fault LED Sign	LED off:Charger function ok,LED on:Temperature protection,Internal bad or Battery bad.(Red LED)			
ENVIRONMENT	Operating Temperature:	(-10 ~ 50)°C constant current output,automatic derating output by micro controller at >51°C temperature.	Shock	20G/Package	
	Operating Humidity:	10~95[%] max. non-condensing	Dust Intrusion & waterproof:	IP64	
SAFETY		meet EN60950-1			
Safety & EMC	Approvals:	CE, FCC, ETL			
	Withstand Voltage :	meet I/P - O/P: 3 K VAC I/P - FG: 1.5KVAC O/P - FG: 0.5KVAC			
	Isolation Resistance:	meet 100M ohms / 500VDC at 25°C			
	EMI Conduction&Radiation:	EN55022 class B,CISPR22 class B			
	Harmonic Current:	EN55022 class B,CISPR22 class B			
	EMS Immunity:	EN61000-4-2, 3, 4, 5, 6, 8, 11 Light industry level, criteria A			
OTHERS	MTBF	210k hours min.MIL-HDBK-217F(25)			
	WEIGHT	N.W.: 0.8 kg/pc G.W.: 0.91 kg/pc			
	PACKING - Box	0.58 x 0.35 x 0.26 [m] / 10pcs / G.W.: 10.2kg			