

Model: ML30 Series

Approval: 

12V/24V/36V Lead Acid Battery Charger

MODEL No. ML30-12,ML30-24,ML30-36

Features:

Size: 200 * 90 * 44.8 mm(L * W * H)

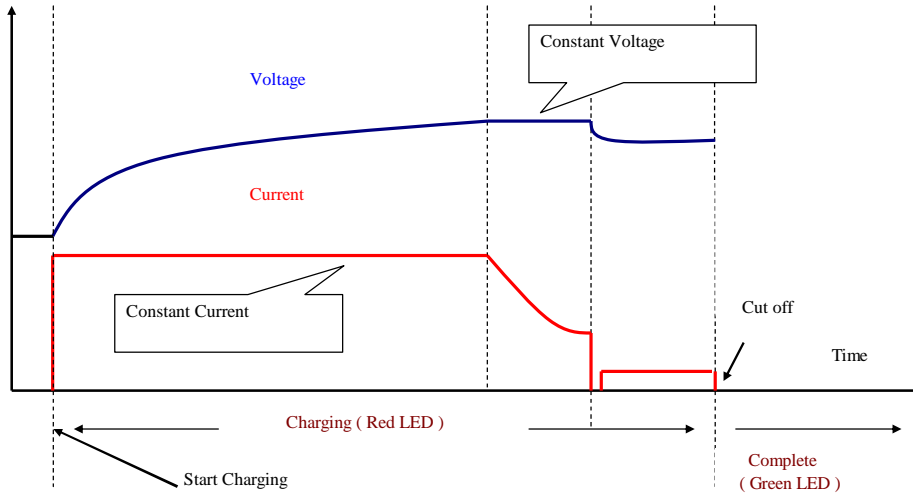
- * For Lead Acid Batteries
- * Smart 3 charge steps by Micro Processor control
- * Charging before detect missing used battery
- * No Spark during DC clamps connecting
- * High Efficiency
- * Protections: SCP / OVP / OTP / Battery Reverse /Time out
- * No Fan with Thermal Protection



Specifications:

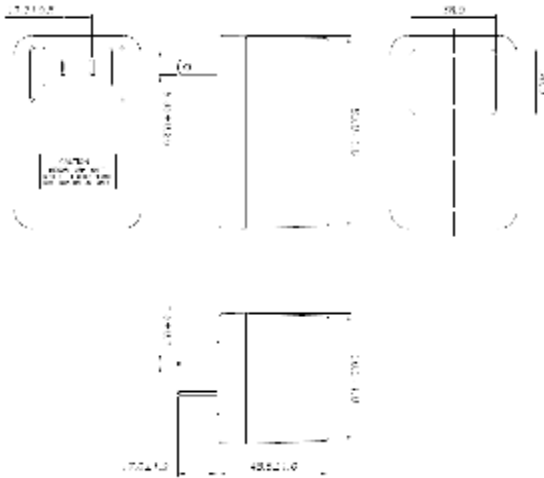
Model No.		ML30-□■ □:12=12V,24=24V,36=36V ■:EU=EU AC plug,US=US AC plug,UK=UK AC plug		
Output	Charge Voltage	12V	24V	36V
		14.8Vdc ±0.3V@normal mode 13.8Vdc ±0.3V@floating mode	29.5Vdc ±0.3V@normal mode 27.6Vdc ±0.5V@floating mode	44.5Vdc ±0.5V@normal mode 41.6Vdc ±0.8V@floating mode
	Charge Current Range	0.6A ~ 0.85A	0.6A~0.85A	0.6A ~ 0.76A
	Rated Power Range	8.8~10W	16.8~24W	25W ~ 32W
	Efficiency	> 80% @ Full Load		
	Transform stage current	0.25A ~ 0.35A		
Charging state	Step1	Bulk: Constant current (0.7A max output current) charging the battery.		
	Step2	Absorption:Normal mode voltage level charging the battery.		
	Step3	Float:Floating mode voltage level charging battery and cut off output after two hour.		
Input	Input Voltage range	90 ~ 264Vac		
	Input frequency range	47~63Hz		
	Input current rating	0.6A		
Protections	Total Charging time error protection	Unable complete charged at total time over 12HR auto transform to folating charged after 2 HR cut off output.		
	Disconnect	YES.(No charge and fault LED sign)		
	Over Temperature	Cutoff output voltage until internal key componet's Temperature below 105°C		
	Short Circuit	YES,Short-circuit output for one minute.(NO Charge and fault LED sign)		
Environment	Operating Temperature	-20~40°C		
	Operating Humidity	10~95% RH.		
	Vibration	10~500HZ,2G/P-P,3 axes,15min sweep without malfunction.		
	Shock	20G/Package		
LED Status Indicator	Charging LED Sign	Red LED on		
	Charging Full Sign	Green LED on		
	Fault LED Sign	Red and Green LED alternately flash		
Safety & EMC	Safety Standards	Meet CE EN60335-2-29		
	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 & Radiator	CISPR22 class B ; FCC part 15 class B		
	Harmonic Current	EN61000-3-2,-3		
	EMS Immunity	EN55014-4-2		
Others	MTBF	210k hours min.MIL-HDBK-217F(25°C)		
	Type of batteries	Lead-Acid Batteries.		
	Dimension(L*W*H)	83*56*48.5 mm		
	Packing(L*W*H)/Carton	510*448*335 mm / 80 PCS		
	Weight	0.19KG/PCS N.W: 15.2KG/Carton		
	output plug	optional		
Remark	1. All specification measured at nominal(120/230) Vac input and 25°C ambient .			

Charging Curve



Mechanical Mounting

US Outlet



UK Outlet

