

广东迈科盛电子有限公司

GUANGDONG MARXON ELECTRONICS CO.,LTD.

FILE NO.:

VERSION NO.:A/0

DATE:2022.7.14

SPECIFICATION

MODEL	LC12-0400-2258	NAME	Class 2 battery charger		PHOTO		
PART NO.		SPEC.	12V 4A/6V 4A				
Switch Power Supply; For 12V or 6V lead-acid & 12V LiFePo4 battery only.							
I	INPUT PROPERTY						
	1	AC input voltage range	90Vac~132Vac/185Vac~264Vac			Universal	
	2	AC input voltage rating	100Vac~120Vac/220Vac~240Vac				
	3	AC input frequency	50/60Hz				
	4	AC input current	1.2A@120Vac/0.6A@230Vac			RMS	
	5	AC input power	78W			Max.	
	6	AC input static state current	0.1A			Max.	
	OUTPUT PROPERTY						
	1	Output voltage range	1~15.5Vdc			Typical	
	2	Bulk charge Current rating	4A@6Vdc			±0.4A	
			4A@12Vdc			±0.4A	
	3	Output power	60W			Max.	
	4	Bulk charge voltage rating	12V	STD 14.8V		±0.2V	
				AGM 14.55V			
				LiFe 14.4V			
			6V	STD 7.4V		±0.2V	
	AGM 7.28V						
	5	Battery repair voltage rating	12V	15.5V		±0.2V	
			6V	7.75V			
	6	Float charge voltage rating	12V	13.3Vdc		±0.2V	
			6V	6.65Vdc		±0.2V	
	7	Exit repair mode current	12V6V,STD/AGM		3A	±0.5A	
	8	Light switching current	12V		0.5A	±0.2A	
			6V		0.5A	±0.2A	
	9	Soft start current	12V	STD/AGM	2.8A@V<7V		±0.3A
				LiFe	0.5A@V<10V		±0.2A
			6V	STD/AGM	2.8A@V<3.5V		±0.3A
II	GENERAL CHARACTERISTICS						
	1	Efficiency	77%			Typical	
	2	Over load protection	<6A				
	3	Short circuit protection	Enable				
	4	Reversed polarity protection	Enable				
	5	Operating temperature	0℃~40℃				
	6	Storage temperature	-30℃~85℃				
	7	Operating relative humidity	8%~90%				
	8	Storage relative humidity	5%~95%				
III	INDICATOR STATUS						
	1	Orange LED all on	Full charge				
	2	Orange LED flashing	Charging				
	3	Red LED flashing	Short or Reverse or Over voltage				

PREPARED BY:

CHECKED BY:

APPROVED BY:

广东迈科盛电子有限公司
GUANGDONG MARXON ELECTRONICS CO.,LTD.

FILE NO.:

VERSION NO.:A/0

DATE: 2022.7.14

SPECIFICATION								
MODEL	LC12-0400-2258		NAME	Class 2 battery charger		SPEC.	12V 4A/6V 4A	
IV	SAFETY							
	1	Withstand Voltage (Hi-Pot)		3000Vac ≤10mA (60s)			I/P to O/P	
	2	Insulation Resistance		>100MΩ @500Vdc			25℃ &70%RH	
	3	Temperature Rise		<75℃			Case	
	4	Safety Standard		ETL, CE				
	5	EMI/RFI Standard		FCC Part 15 B				
	6	Energy Standard		DOE				
	RELIABILITY							
	VI	1	Spot test		Burn in 24h at 40℃			Full load
2		Whole test		Burn in 1h at 40℃			Full load	
VII	MECHANICAL CHARACTERISTICS							
	1	Net Weight		560g				
	2	Dimension		192*73*41mm				
	3	Enclosure		Plastic case				
VIII	CHARGE CHARACTERISTICS							

PREPARED BY:

CHECKED BY:

APPROVED BY: