

广东迈科盛电子有限公司

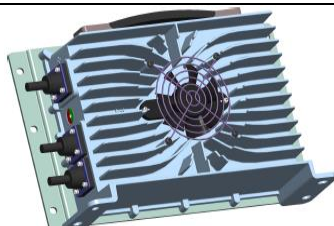
GUANGDONG MARXON ELECTRIC VEHICLE CO.,LTD.

FILE NO.:

VERSION NO.:A/0

DATE:2023.8.14

SPECIFICATION

MODEL	LC48-1900-2661	NAME	Class 1 battery charger	PHOTO	
PART NO.		SPEC.	51.2V 20A (16S)		
Switch Power Supply; For 51.2V16S IIFe battery only.					

I	INPUT PROPERTY				
	1	AC input voltage range	90Vac~264Vac		Universal
	2	AC input voltage rating	100Vac~240Vac		
	3	AC input frequency	50-60Hz		
	4	AC input current	13A		Max.
	5	AC input power	1400W		Max.
	6	AC input static state current	0.2A		Max.
	OUTPUT PROPERTY				
	1	Output voltage range	48Vdc		Typical
	2	Bulk charge Current rating	20A@51.2Vdc		±1A
	3	Output power	1200W		Max.
	4	AC input voltage range	90-108Vac		
	5	Mode of communication	CAN		
	6	Bulk charge Current rating	14A		±1A
7	Bulk charge voltage rating	57.6V		±0.4V	
8	Exit repair mode current	2V-47V	10A	±1A	
9	Exit repair mode current	47V-55V	20A	±1A	
10	Exit repair mode current	55V-57.6V	18A	±1A	
11	Light switching current	2A		±0.3A	
12	0V Soft start current	0.5A		0.2A	
13	Soft start voltage	>2V		±0.45V	
14	Soft start current	2A		±0.3A	

II	GENERAL CHARACTERISTICS				
	1	Efficiency	93%		Max.
	2	Over load protection	<28A		
	3	Short circuit protection	Enable		
	4	Reversed polarity protection	Enable		
	5	Operating temperature	-20°C~50°C		
	6	Storage temperature	-40°C~80°C		
	7	Operating relative humidity	5%~90%		
8	Storage relative humidity	5%~95%			

III	INDICATOR STATUS				
	1	Green LED on	Full charge		绿灯常亮
	2	Red LED on	Charging		红灯常亮
3	Red /Green LED flash alternately	Short or Reverse or Over voltage		红灯/绿灯交替闪烁	

PREPARED BY:

CHECKED BY:

APPROVED BY:

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SPECIFICATION					
MODEL	LC48-1900-2661-A	NAME	Class 1 battery charger	SPEC.	51.2V 20A(16S)
IV	SAFETY				
	1	Withstand Voltage (Hi-Pot)	1500Vac ≤10mA (60s)	I/P to O/P	
	2	Insulation Resistance	>100MΩ @500Vdc	25°C &70%RH	
	3	Temperature Rise	<75°C	Case	
	4	Safety Standard	ETL, CE		
	5	EMI/RFI Standard	FCC		
	6	Energy Standard	DOE		
	7	Classification of waterproof materials	IP67		
RELIABILITY					
VI	1	Spot test	Burn in 24h at 40°C	Full load	
	2	Whole test	Burn in 1h at 40°C	Full load	
VII	MECHANICAL CHARACTERISTICS				
	1	Net Weight	5Kg		
	2	Dimension	326.5*194.1*88mm		
	3	Enclosure	Pack alloy(压铸铝) case		
VIII	CHARGE CHARACTERISTICS				

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