TORO 720

TORO720W is an ON/OFF Board Charger belong to the SEALED family

Main feautures:

IP66 Sealed Charger, INPUT 100-240V, 24V-30A, 48V-15A, Lead Acid and Lithium batteries by using CAN BUS communication

Profile for: Wet, GEL, AGM, Lithium

Design features:

Reverse polarity protection, OTP, OCP, OVP, Charge timeout protection
Bluetooth APP to set charging profile and charging current
BLE for charging monitor and data log

S.P.E. *ELETTRONICA INDUSTRIALE*
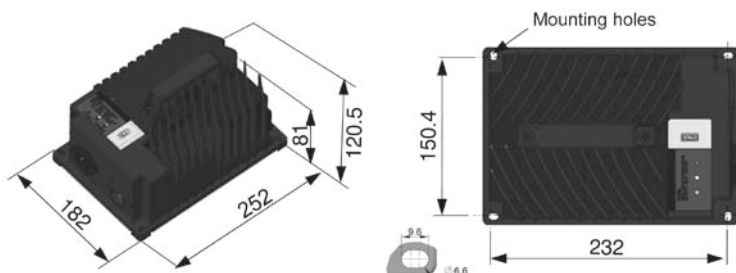
www.spechargers.com

TORO 720

Main features:
Reduced weight and dimensions
Power from 360W up to 720W
Current from 15A to 30A
IP66

DIMENSIONS (LxWxH): 267 x 189 x 81mm - 10.51 x 7.44 x 3.18 in
WEIGHT: 4.1 Kg - 9,039 lbs
PROTECTION GRADE: IP66 (enclosure)
INPUT VOLTAGE: Universal 100 ÷ 240 Vac – 50-60 Hz

Battery Voltage	Battery Range (5h)		Battery Range (20h) 10-12 hours charging time	Charging Current	Model
	8-9 hours charging time	10-12 hours charging time			
24V	115 ÷ 125 Ah	140 ÷ 170 Ah	100 ÷ 120 Ah	15A	24-15
	150 ÷ 170 Ah	190 ÷ 225 Ah	135 ÷ 160 Ah	20A	24-20
	190 ÷ 210 Ah	235 ÷ 280 Ah	165 ÷ 200 Ah	25A	24-25
	225 ÷ 255 Ah	280 ÷ 340 Ah	200 ÷ 240 Ah	30A	24-30
48V	40 ÷ 55 Ah	50 ÷ 75 Ah	65 ÷ 93 Ah	7.5A	48-7.5
	48 ÷ 60 Ah	60 ÷ 98 Ah	75 ÷ 140 Ah	10A	48-10
	60 ÷ 80 Ah	90 ÷ 130 Ah	110 ÷ 158 Ah	12.5A	48-12.5
	73 ÷ 90 Ah	100 ÷ 140 Ah	123 ÷ 175 Ah	15A	48-15

Electrical	
Input	100 ～ 240Vac, 50/60Hz
Output	24Vdc/30A; 48Vdc/15A
	720W
Efficiency	Up to 92%
Communication	CAN 2.0 BLE(*)
Operation Interface	3 LED
Mechanical	
Dimension	267 x 189 x 81(H)mm - 10.51 x 7.44 x 3.18 in
Weight (Kg)	4.1 Kg - 9,039 lbs
AC input connector	AC Male C16
DC output connector	JONHON ICA-BY20F0200J, 2pins
Communication connector	Amphenol CD-10PMMS-QC8001, 10pins
Mounting holes	M6 diameter slots
Environmental	
IP Level	IP66 (enclosure)
Shock & Vibration	ISO 16750-3
Operation Temp.	-40 ～ 65°C
Storage Temp.	-40 ～ 85°C
Regulatory	
Safety	Can Comply with UL 1564/ IEC 60335-2-29 / CSA C22.2
Design Features	• Reverse polarity protection, OTP, OCP, OVP, Charge timeout protection
	•* BLE for charging monitor and data log
	• Battery temperature sensor
	• Remote LED (otp.)
	• Interlock (1A)

*BLE for charging monitor, data log, profiles setting.

TORO720W APP

This sealed charged is totally controlled by an APP (Android, Apple)

By using the APP a customer:
• Can select the parameter of the charger (I)
• Can select the charging curves from 11 available profiles
• Can download charging cycles (85 cycles available)
• Can show the graphics of the charging phases and elaborate statistics

Mounting holes

81
120.5
182
252
150.4
232