

DME BATTERY CHARGER

MODEL 1605

1960 · 2000

CURTIS



DESCRIPTION

The Curtis DME battery charger Model 1605 allows easy charging of electric vehicle batteries at any outlet. It safely recovers deeply discharged batteries as well as protects them from overcharging.

WARRANTY

Two Year Limited Warranty
(see terms of sale for specifics)

Application

The Curtis battery charger Model 1605 is ideal for charging Durable Medical Equipment and electric vehicles utilizing 24V power, such as scooters and wheel chairs.

Features

- Light Weight.
- Compact size offers space advantages over other chargers.
- Protects deeply discharged batteries from overcharging with soft-start algorithm.
- Will charge 32 ah battery in 8 hours.
- Automatic shutoff and restart to compensate for battery self discharge.
- Reliable charging is achieved through an optimum charging algorithm with constant current, constant voltage successively.
- Natural convection/conduction cooling eliminates need for fan.
- Thermal protection prevents damage from over temperature conditions.
- Input & output protected by fuse.
- Output current is limited so as not to exceed the maximum power and/or thermal capacity.
- Output is short circuit protected.
- Suitable for Sealed (VRLA both AGM or Gel) batteries.
- LED's indicate AC Power ON, Charging, Charge Complete/Standby-Float.

CURTIS INSTRUMENTS, INC.

200 KISCO AVENUE
MT. KISCO, NY 10549
USA
TEL (914) 666-2971
FAX (914) 666-2188

CURTIS PMC

235 EAST AIRWAY BLVD.
LIVERMORE, CA 94550
USA
TEL (925) 961-1088
FAX (925) 961-1099

CURTIS INSTRUMENTS, (UK) LTD.

5 UPPER PRIORY STREET
NORTHAMPTON NN1 2PT, ENGLAND
TEL 44 (0) 1604-629755
FAX 44 (0) 1604-629876

CURTIS INSTRUMENTS INDIA PRIVATE LTD.

DATTAPRASAD · AVANI APARTMENT
APT. NO. 7 · 1206 B/7 APTE ROAD,
SHIVAJI NAGAR · PUNE 411 004, INDIA
TEL 91 (0) 20-5531288
FAX 91 (0) 20-5539192

www.curtisinst.com

Model Encodement

1605	-	120	/	24	-	04A	B	L	S
Model #		Input (V)		Battery Volt (V)		Output (I)	Input AC Conn.	Output DC Conn.	Charge Profile

Input Voltage:	120 = 120VAC		
Battery Voltage:	24 = 24 VDC		
Output Current:	04A = 4.0 A-rms		
Input AC Connector:	B = 120V NEMA 5-15P, 0.85m cord	C = 230VAC EN 60320 male, 0.30m cord	D = 120V NEMA 5-15P, 1m coiled cord
Output DC Connector:	L = 4 pin AMP & flag connectors	M = 4 pin AMP	
Charge Profile:	S = Sealed Lead Acid	G = Lead Acid Gel Cell	

Specifications

Input: Model 120A

Voltage: 108-132 VAC (120V Nominal)
 Frequency: 60 Hz
 Current: Not to exceed 1.5 amps @ 120VAC

Model 220A

Voltage: 207-253 VAC (230V Nominal)
 Frequency: 50 Hz
 Current: Not to exceed 1.5 amps @ 120VAC

Output:

Voltage: 24V nominal with maximum output power of 125 Watts
 Current: 4A maximum at start of charge cycle

Dimensions: mm (inches)

