

Battery discharger and analyser MPD-1007E (10V – 110V, 0A – 200A)



Product Overview

A discharge test is the only way to properly verify a battery's capacity, and this can now be performed with the MPD-1007E. During the discharge test, no manual adjustments to the current must be made, as the MPD-1007E is an automatic constant current discharger. It is equipped with an exact sensing function of the current through digital control, regardless of the voltage range. The discharger can be used as a stand-alone discharger, or it can be connected in synch with the Replus regenerators in order to increase the discharge power of the Replus regeneration machines.

Features

- Perfect synch possible with Replus regenerators and Energic Plus BMS system
- Automatic switching according to discharge current
- Designed for testing 12 V, 24 V, 36 V, 48 V, 72 V, 80 V, 96 V-batteries
- Discharging range : 1 A – 200 A (up to 1000 Ah c5 forklift battery)
- Discharge auto-shutdown for time duration, setup voltage and capacity
- Over-discharge battery protection
- Built-in circuit breakers for emergency shutdown and overload protection
- Reverse polarity protection

REF 35364672 DISCHARGER MPD-1007E

REF 40799583 DISCHARGER MPD-1007E + BMS 48 V

REF 40799574 DISCHARGER MPD-1007E + BMS 80 V

AC input	
Voltage range	AC 200 - 240 V
Frequency	50 Hz / 60 Hz
Phase	Single-phase

Discharge functions	
Voltage range	DC 10 V – 110 V
Current range	1 A – 200 A (constant current)
Accuracy	Current : 1,0 % Voltage : 0,2 % – 0,5 %
Resolution	Current : 0,1 A Voltage : 0,01 V
Discharge data transfer	USB, Zigbee wireless (2,4 GHz)

User interface	
Display panel	128 x 64 mono-LCD
Interface switch	Rotary & push switch
LED indicator	2-LED indicators Power, Discharging
Alarms (notices on display screen)	Battery connection Reverse polarity

SYNCH with Replus regenerators	
Replus support model	REF 100BA3558, REF 100BA3559, REF 100BA3560
Current range	1 A – 200 A
Protocol interface	RS-232
Discharge function support	Manual discharge mode Program mode discharge & restoration mode Pulse 3, 4
PC software support	Yes, wireless communication support.
BMS (battery monitoring system) support	(use existing Replus operation method)

Environment	
Operating temperature	0 °C – 50 °C (32 °F – 122 °F)
Humidity	5 % - 90 % RH

Mechanical	
Dimensions / Weight	899 x 360 x 400 mm / 45 kg

Accessories	
Included	Cable 70 mm ² x 1,5 (2 x SB-350) USB Manual