

# CHARGING AND DISCHARGING UNIT

## CDP RANGE



### ADVANTAGES

- Maintenance of nickel cadmium batteries in 24, 28 V or 72V and lead batteries in 2V, 12V or 24V in workshops or on the field
- Compact
- Controlled constant current for charging and discharging
- Charge and discharge of a complete block of batteries or of single elements
- Easy to use



### OUR RANGE

REFERENCE	PART NUMBER	Setting end of charge (V)	Chargeur Current (A)	Setting end of discharge (V)	Discharge current (A)
CDP 32V C80A – D50A NiCd	SEEL009092	32V	80A	1,2 à 32V	50A
CDP 32V C80A – D50A NiCd + Pb(*)	SEEL009834	32V	80A	1,2 à 32V	50A
CDP 40V C60A – D52A NiCd	SEEL011656	40V	60A	1,2 à 40V	52A
CDP 40V C60A – D50A NiCd + Pb(*)	SEEL012121	40V	60A	1,2 à 40V	50A
CDP 95V C30A – D26A NiCd	SEEL011657	95V	30A	1,2 à 95V	26A
CDP 105V C25A – D23A NiCd	SEEL011658	105V	25A	1,2 à 105V	23A
CDP 40V C60A – D50A NiCd + Ultra Sec.	SEEL013001	40V	50A	1.2 à 40V	50A
CDP 170V C15A – D13A NiCd	SEEL015254	170V	15A	1.2 à 170 V	13A
Option acquisition CDP available for the CDP range	SEEL012562	For more details, see datasheet FC-CDP-ACQ-AN-A			

(\*) Pb (lead) models can also be used with 2V, 12V and 24V lead batteries

# CDP – MAIN TECHNICAL SPECIFICATION

## MAIN TECHNICAL SPECIFICATIONS

### INPUT

- Voltage: 230 Vac  $\pm$  15% - single phase
- Frequency: 47 à 63 Hz
- Input current max.: 15A
- Power factor: > 0,9

### DISPLAY / CONTROL

- ON/OFF Switch
- Emergency stop
- Indicators: Power on, Emergency stop, Thermal fault, Battery detection, Forcing
- Digital voltmeter and ammeter
- Buzzer and reset

### PROTECTION

- Input RFI Filter
- Output fuses
- Thermal sensor for battery supplied

### OPERATING TEMPERATURE

- 0 to 45°C at full power for CDP 32V
- 0 to 35°C at full power for other models
- Above these temperature, derating applies.
- Forced convection
- Humidity : up to 95%

### STORAGE TEMPERATURE

- -40°C to + 70°C

### DIELECTRIC WITHSTAND

- Input/Earth: 1500 Vac
- Output/Earth: 1500 Vac

### STANDARDS

- Safety EN 60950
- EMC EN 50091-1 / 50091-2
- CE marking

## CHARGER FEATURES

### CHARGE CURRENT

- Model CDP 32V : 1,5 à 80 A
- Model CDP 40V : 1,5 à 60A
- Model CDP 95V : 1,5 à 30A
- Model CDP 105V : 1,5 à 25A.
- Model CDP 170V : 1,5 à 15A
- Adjustable by potentiometer on front panel

### CHARGE DURATION

- 1min. to 99h programmable on front panel

### DISPLAY / CONTROL

- Charger selector
- Charger indicator
- Timer
- I potentiometer
- V potentiometer

### PROTECTION

- Maximum voltage adjustable by potentiometer on front panel
- Polarity reversal

## DISCHARGER FEATURES

### DISCHARGE CURRENT

- Model CDP 32V et CDP40V : 50A (ou 52A)
- Model CDP 95V : 25A
- Model CDP 105V : 23A
- Model CDP 170V : 13A
- Adjustable by potentiometer on front panel

### DISCHARGE DURATION

- 1 min. à 99h programmable par horloge en face avant

### DISPLAY / CONTROL

- Discharger selector
- Discharger indicator
- Timer
- I Potentiometer
- V Potentiometer

### PROTECTION

- Minimum voltage adjustable by potentiometer on front panel
- Polarity reversal

## MECHANICAL CHARACTERISTICS

### DIMENSIONS

Width 600 mm / Depth 620 mm / Height 400 mm  
Weight : 57 kg with cables  
Protection : IP22

### CONNECTIONS

- To the mains via a 3 m cable with an IEC plug
- To the battery via two 2.5 m cables with a power connector
- Thermal sensor via circular connector