

# BATTERY CHARGERS



**CURTIS**

## PRIMO*pulse* and PRIMO*power*



### DESCRIPTION

The Curtis PRIMO*pulse* and PRIMO*power* range offers a wide selection of stationary battery chargers suitable for robust industrial charging environments.

**PRIMO*pulse*:** Recharges batteries in 8 hours. 24V to 80V, 30A to 200A from either single or three phase supply. New "pulsed" WoWp curve provides faster charging in a short time period.

**PRIMO*power*:** Recharges batteries in 10–12 hours using a standard Wa charge curve. 24V to 96V in both single and three phase supply.

### APPLICATION

The Curtis PRIMO*pulse* and PRIMO*power* battery chargers are suitable for use in a wide range of materials handling applications including medium and large electric vehicles.

### FEATURES

- 230V 50/60hz single and 230/400V 50/60hz three phase supply.
- The PRIMO*pulse* and PRIMO*power* charger line offers a high level of control, protection and operational information at affordable prices.
- All 50hz PRIMO*pulse* and PRIMO*power* chargers meet European quality and safety standards. including CE, TUV and 1809002.
- Clear and easy to read display of battery status through 8mm LEDs.
- 800 charge cycles memory capacity through USB port provides improved management of batteries.
- Power and battery cables provided.
- Range of external accessories available like Air Blow, weather-proof cases, etc.
- Proportional gassing and controlled equalisation ensure the battery receives efficient charging and provides improved battery performance.
- Programmable delay on charge start allows use of off peak power, giving savings of up to 60% on electricity and reduced running costs.
- Automatic control of battery topping systems and remote indication of state of charge.
- Heavy gauge, welded, all steel casework finished in a hard-wearing wipe clean epoxy paint.
- Fully compliant with DIN Standard 41774.
- Both chargers are available in higher ratings for special requirements.

**CURTIS INSTRUMENTS, (UK) LTD.**  
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# PRIMOpulse and PRIMOpower

## DIMENSIONS (mm)

Dimensions (mm)	Case Size
425 (L) x 270 (W) x 280 (H)	2
500 (L) x 300 (W) x 300 (H)	3
500 (L) x 400 (W) x 800 (H)	4
500 (L) x 400 (W) x 1000 (H)	5
500 (L) x 400 (W) x 800 (H)	4
500 (L) x 400 (W) x 1000 (H)	5
600 (L) x 500 (W) x 1100 (H)	6
700 (L) x 550 (W) x 1200 (H)	7

## SPECIFICATIONS

### PRIMOpulse

Supply	Battery Voltage	Case 3 22.1–29.5Kg	Case 4 57–95Kg	Case 5	Case 6	Case 7
1 Phase	24V	30–50 Amp	60–90 Amp			
1 Phase	36V		50–60 Amp			
1 Phase	48V		30–45 Amp			

Supply	Battery Voltage	Case 3	Case 4 52–95Kg	Case 5 83–139Kg	Case 6 150–170Kg	Case 7 188Kg
3 Phase	24V		70–140 Amp	160–200 Amp		
3 Phase	36V		50–120 Amp	140–180 Amp		
3 Phase	48V		60–100 Amp	120–160 Amp	180–200 Amp	
3 Phase	72V		40–80 Amp	100–120 Amp	140–160 Amp	180 Amp
3 Phase	80V		40–60 Amp	80–120 Amp	140–160 Amp	180 Amp

# PRIMOpulse and PRIMOpower

## SPECIFICATIONS cont'd

### PRIMOpower

Supply	Battery Voltage	Case 2 13.3–21.5Kg	Case 3 22.1–23.5Kg	Case 4 57–95Kg	Case 5 83–127Kg	Case 6 12.8–23.5Kg	Case 7 12.8–23.5Kg
1 Phase	24V	10–40 Amp	50–60 Amp	70–140 Amp	160–200 Amp		
1 Phase	36V	10–25 Amp	10–50 Amp	60–100 Amp	120–180 Amp		
1 Phase	48V		20–30 Amp	40–100 Amp	40–80 Amp		
1 Phase	72V			30–80 Amp	90–120 Amp	200 Amp	
1 Phase	80V			30–80 Amp	90–120 Amp	140–200 Amp	
1 Phase	96V			20–30 Amp	40–60 Amp	140–160 Amp	180–200 Amp

Supply	Battery Voltage	Case 2	Case 3	Case 4 52–95Kg	Case 5 83–127Kg	Case 6 150–162Kg	Case 7 188–162Kg
3 Phase	24V			40–140 Amp	160–200 Amp		
3 Phase	36V			40–140 Amp	160–200 Amp		
3 Phase	48V			40–100 Amp	120–180 Amp	200 Amp	
3 Phase	72V			30–80 Amp	90–140 Amp	160–180 Amp	
3 Phase	80V			60–80 Amp	90–120 Amp	140–160 Amp	180–200 Amp
3 Phase	96V			50–60 Amp	80–100 Amp		

**WARRANTY** Five year limited warranty from time of delivery.

