



CURTIS

Power Conversion



High Frequency Battery Chargers

Tempo



Tempo



High Frequency Battery Charger Range

The high efficiency TEMPO three phase battery charger is a portable, multi-function, easy to use, compact unit that provides accurate charging of all industrial battery types from 12-80V, 10-140A. Supported by a 3 year warranty.

The Tempo is ideal for use in material handling, airport, golf, aerial lift, sweeper/scrubber, utility, Light-On-Road and general industrial battery-powered vehicles.

FEATURES

- ▶ Each highly flexible multi voltage model serves a wide current range (up to 130a) for AGM, GEL and Lead Acid batteries.
- ▶ Changing voltage, current, battery type or charge curve is simple and takes less than 20 seconds.
- ▶ Small and lightweight, with a carry handle, making the Tempo fully portable.
- ▶ Integrated desulphation mode helps keep your battery in optimum condition and guarantees charging, even when the battery is deeply discharged.
- ▶ Up to 94% efficiency rating in tests, standard performance of 93%.
- ▶ Power Factor of >0.99 minimises utility surcharges and optimises the use of AC line power.
- ▶ Low battery/over-discharge auto-detection.
- ▶ Smart fan design provides filtered, clean airflow, keeping the charger cool and clear of debris.
- ▶ Resonant Technology keeps the transformer temperature 20% cooler than other HF Chargers, making it stable and reliable with an increased lifespan.
- ▶ IP21 protection.
- ▶ Automatic interruption of the charge cycle when full charge is detected, preventing overcharging and resulting in lower operating costs.
- ▶ Extensive safety features such as reverse polarity, overheating and short circuit protection ensure safe operation for both the operator and charger.
- ▶ Curtis logo illuminates (red to green) to provide colourful, easy to read charge status from a distance.
- ▶ LEDs allow at-a-glance charge status determination and anomaly detection.
- ▶ CAN interface and data-logging models available on request.
- ▶ Wall mount or freestanding.



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SPECIFICATIONS

VOLTAGE	Current	Power Supply		Battery Capacity Ah		
		Amp (A)	Vac	8 hour	10-hour	12-hour
12– 24 VDC	10–140 A	8	400	1120	1400	1680
36– 48 VDC	10–130 A	15	400	1040	1300	1560
72–80 VDC	10–80 A	15	400	640	800	960
Dimensions	350mm (D) x 470mm (L) x 213mm (H)					
Battery Type	AGM, Gel, Lead acid					
Reverse Polarity Protection	YES					
Short Circuit Protection	YES					
Three Phase Connection	400 Vac +/- 10%					
AC Input Frequency	50–60 Hz					
Efficiency	Up to 94%					
Noise Level	Average 65 dB					
AC Power Factor Correction	>0.99					
Cables	1.5m AC cable, 3m DC cable					
Environmental	IP21 (IP40 on request)					

PART NUMBERS

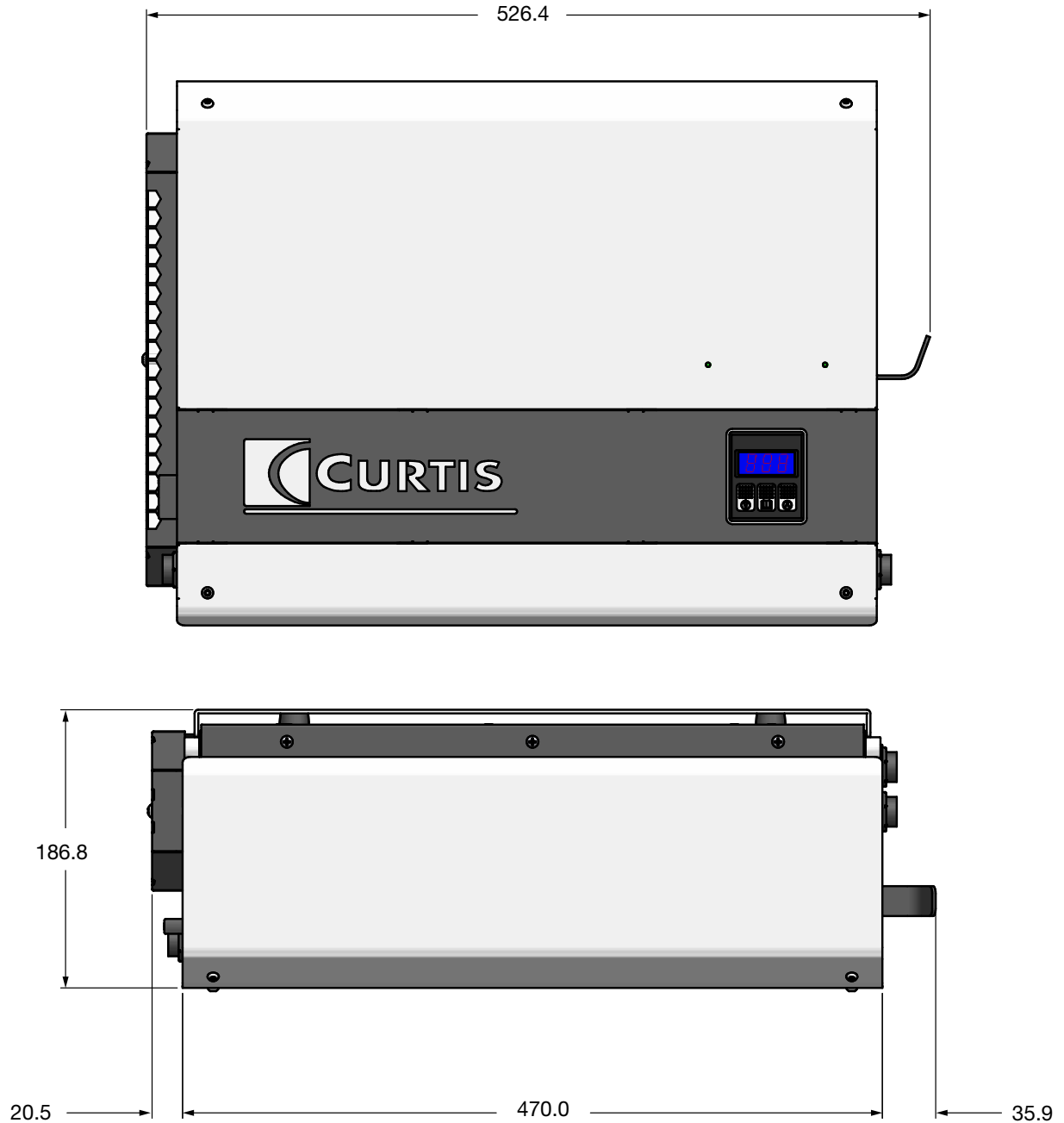
Model	UK Part Numbers
12-24V TEMPO	18417720-0003
36-48V TEMPO	18417720-0001
72-80V TEMPO	18417720-0002

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DIMENSIONS mm



WARRANTY Three year limited warranty from time of delivery.



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Specifications subject to change without notice

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