

## DKP-121 BATTERY CHARGER

### DESCRIPTION

DATAKOM model DKP-121 are fixed output voltage, current limited lead acid battery chargers specially designed for permanent connection to genset batteries. They maintain the batteries fully charged, without overcharging or gassing. Thanks to their continuous DC outputs they may also be used in a wide range of industrial applications where DC power is required.

When the battery voltage is below the float charge level, the charger provides constant current, nearly equal to the rated output current allowing a rapid recovery of the missing charge. When the battery voltage reaches the float level, the charger switches to constant voltage charge mode and maintains the battery fully charged, providing the maximum battery life.

The DKP-121 uses linear technology. Its rugged design allows surviving in harsh electromagnetic environments found in automotive industry.

The unit has overload and short circuit protections. This feature makes the units deliver only the rated current during engine cranking or a short circuit condition. It does not need disconnection during cranking.

The high temperature protection of the unit reduces the output current in case of overheating.

The small dimensions of the unit allow compact panel design.

The chargers are able to operate in parallel with the engine's charge alternator and other battery chargers. Multiple units may be connected in parallel in order to obtain higher current ratings.

The wide input voltage range allows the chargers to be used in different countries.

The chargers use an open chassis, metal cased design, suitable for bolt and stud mounting in an enclosed panel.

Electrical connection is made through screw type terminals.



### TECHNICAL SPECIFICATIONS

Output Voltage	V-DC	13.7
Rated Output Current	Amps	0.5
Max input power	Watts	15
Efficiency (at full load)	%	56
Input Voltage Range	V-AC	170 to 277
Input Frequency Range	Hz	45 to 65
Operating temperature	°C	-10 to +60
Storage temperature	°C	-40 to +85
Relative Humidity	%	95 max (non condensing)
High Temp. Protection	-	Yes
Short Circuit Protection	-	Yes
Electrical Connection	-	Screw terminals, 25A, 2.5mm <sup>2</sup>
Width	mm	82
Height	mm	116
Depth	mm	80
Weight	gr	800