

DC - DC Chargers

In-Vehicle
Optimal
Charge and
Maintenance
for Auxiliary
Batteries

Kraken Power DC to DC Chargers allow you to charge your household battery bank from a solar panel or from your engine battery – no need to wait until you connect to the grid. They provide dual input MPPT Solar input and Auxiliary battery input with maintenance-free protection for your batteries and solar panels. Smart, multi-stage charging ensures your batteries are charged the way the manufacturers recommend, resulting in maximized battery life. Compact design and small product footprint mean these chargers can be installed in tight areas. Easy-access connectors make installation a snap.

Product Features include:

Microprocessor controlled multi-stage charging algorithms: (Bulk, Absorption, Float) for Gel, AGM and Flooded batteries with equalization for Flooded batteries.

MPPT solar regulator provides maximum power from solar panels to battery.

Silent Mode for quiet operation.

Optional Remote for viewing system information and advanced program settings.



DC - DC Chargers

Optimal Charge and Maintenance

Wall Mountable

Commercial / Leisure Use



DC - DC Battery Charger	DMT 1230	DMT 1250
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DC Controller Output (Battery)

Output Current (Maximum)	30A	50A
Output Voltage Range:		
Charge	13.5 - 15.5V	13.5 - 15.5V
Float	13.0 - 13.8V	13.0 - 13.8V
Equalize	15.5V	15.5V
Charging Control	5 stages (Test/Bulk/Absorption/Float/Recharge)	5 stages (Test/Bulk/Absorption/Float/Recharge)
DC Output Bank	One	One
Selectable Battery Type	Gel, AGM, Flooded, Lithium, Program	Gel, AGM, Flooded, Lithium, Program
Parasitic Current	< 10 μ A	< 10 μ A
Efficiency	> 90%	> 90%

DC Input (Battery/Alternator)

DC Input Range	10.5 - 32Vdc	10.5 - 32Vdc
DC Input Nominal Operation	12.8V for 12V charging system 25.6V for 24V charging system	12.8V for 12V charging system 25.6V for 24V charging system
Engine Start Control: ON	DC input from Battery/Alternator	DC input from Battery/Alternator
Engine Start Control: OFF	DC input from PV input (if available)	DC input from PV input (if available)

DC Input (PV Input)

DC Input Range	10 - 45 Vdc	10 - 45 Vdc
DC Input Nominal Operation	17.5Vdc for 12V PV panels connected in parallel 35.0Vdc for dual 12V PV panel connected in series	17.5Vdc for 12V PV panels connected in parallel 35.0Vdc for dual 12V PV panel connected in series
MPPT Tracking Efficiency	> 98% (Target)	> 98% (Target)

DC Output Protection and Features

Reverse Battery	Yes (shutdown), Auto Reset	Yes (shutdown), Auto Reset
DC Output Short Circuit	Yes (shutdown), Auto Reset	Yes (shutdown), Auto Reset
Over Charge	Yes (shutdown), Auto Reset	Yes (shutdown), Auto Reset
Cooling	Force air ventilation	Force air ventilation

Display Panel

Display	LED Display with back lighting	LED Display with back lighting
Digital Display	Voltage, Current, status and Error Code	Voltage, Current, status and Error Code

Accessory (Optional)

Remote Panel	For viewing unit status and adjusting settings
Battery Temperature Sensor	For battery charging voltage adjustment