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## NEWS @ ENGELKING

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### Medical in-line charger meets stringent requirements and IP68



In order to meet the requirements of hospital and care environments, Engelking Elektronik has developed an innovative 12W charger unit which is able to withstand the ingress of water and other liquids to IP68+ as found in automatic washing units. The unit's robust housing can withstand the weight of such items as a 250kg hospital bed without damage. This is hardly surprising as the charger electronics are completely molded in polyurethane making it almost indestructible.

The charger's output is fitted with a 2.5m spiral cable made of polyurethane which is impervious as well as having excellent long-term retraction qualities. The mains side is fitted as standard with a short water resistant (EPR) cable and splash-proof European 2-pin contour plug thus meeting the requirements of class 2 for hospital applications, needing no earth connection.

The in-line design of this charging unit means that the strain on the wall socket is reduced and the unit cannot easily fall onto the floor or patient.

Having a wide range input of 90-240VAC, double pole fusing the standard product is designed for charging 24V lead acid batteries but custom variations are available on request.

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