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gific2018@promoest.com

INNOVATIVE HIGH CAPACITY MOBILE ENERGY STORAGE SYSTEM FOR CONSUMER MARKET

M.Panizza⁽¹⁾, F. Portesine*⁽²⁾, F. Vaccaro⁽³⁾, C. Carbone⁽³⁾ D. Clematis⁽¹⁾ et A. Calcagno⁽³⁾

(1) UNIGE DICCA ; (2) Student of UNIGE DITEN; (3) POSEICO SPA

The core of the project is the search for an innovative solution for the construction of a low cost, mobile energy storage system (i-ESMS) for different consumer applications. The main features are the predisposition to multiple sources / loads both AC and DC, a high ratio of stored energy / weight, the use of high efficiency components optimized for the specific application and a modular design to guarantee a range of products from 1.5 - 6.0 KWh.

The version up to 3.0 is designed for low weight easy transportation.

Another purpose of the project is to evaluate the degradation conditions of different types of batteries in a typical consumer load profile, to obtain high reliability device.

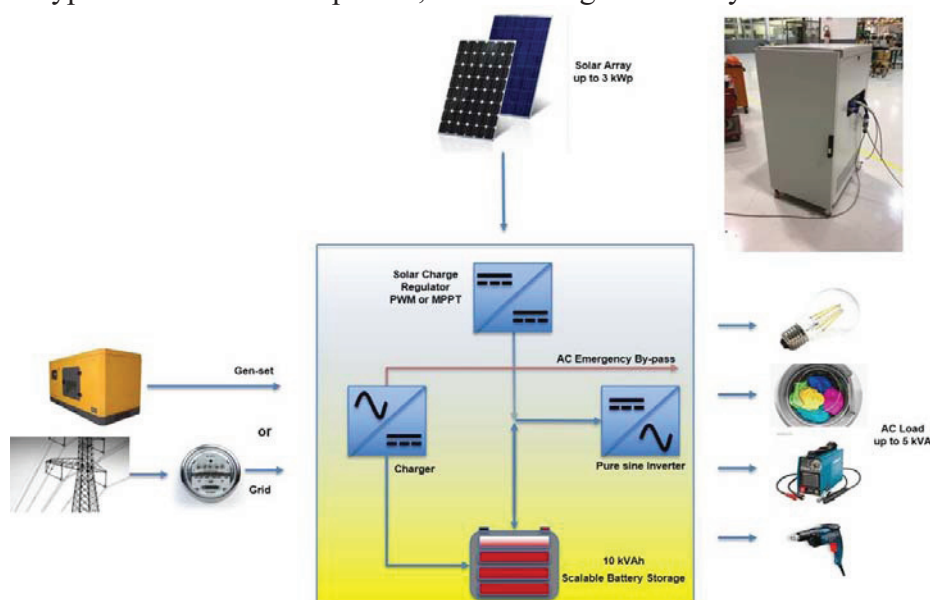


Figure 1 : Representation of i-ESMS

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marco.panizza@unige.it

calcagno.alessandro@poseico.com

POSEICO SPA Via Pillea 42-44, 16153, Genova – Italy Tel. + 39 0108599400, Sales Office + 39 0108599400



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