DC Microgrid at Xiamen University, Xiamen, China

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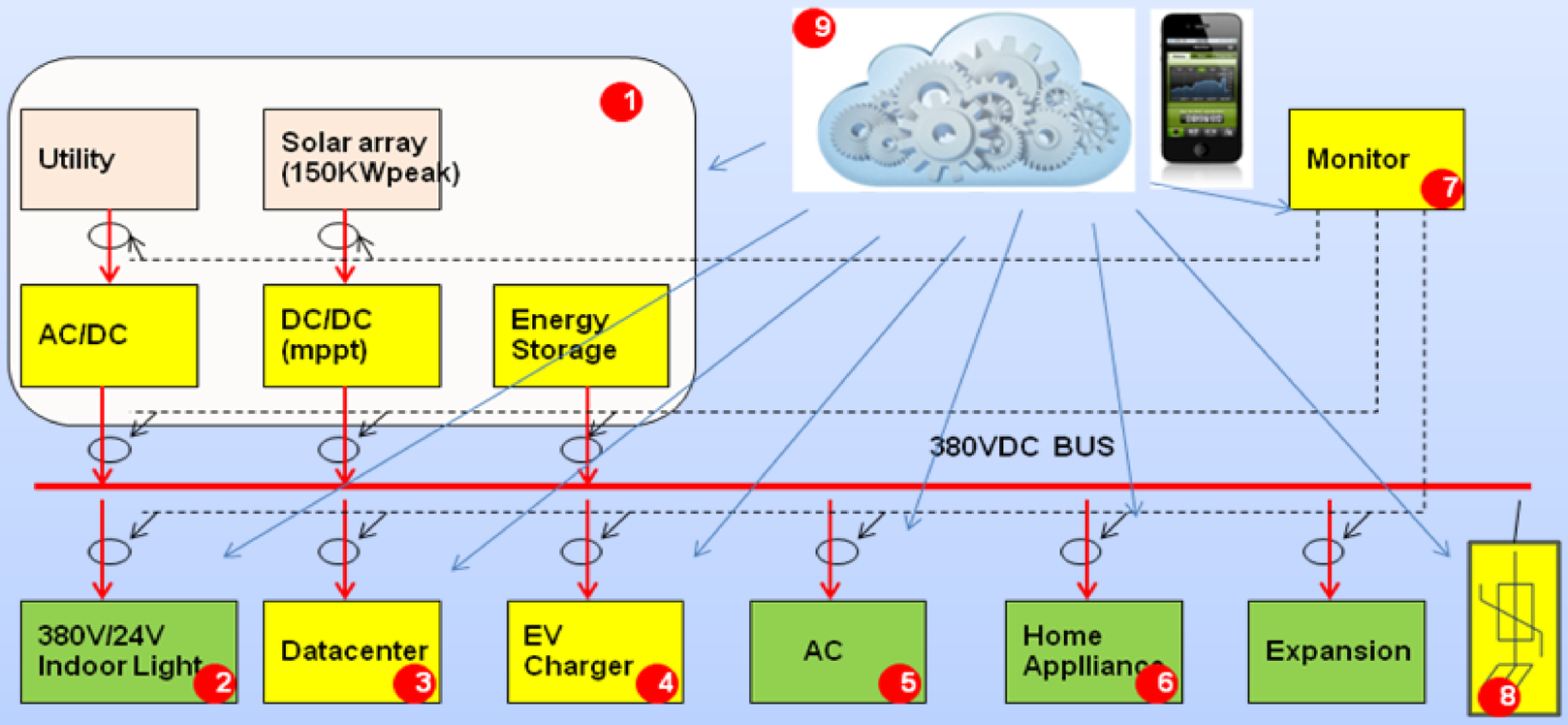
150KWp PV System
DC Lighting
Energy Storage
Air Conditioning
Electric Vehicle Charge Station
Data Center
Home and Office Appliances

厦门大学直流微网方案

Direct Coupling® Microgrid



1. AC/DC,太阳能控制器及储能单元
2. 室内直流照明
3. 数据中心单元
4. 电动车充电站单元
5. 室内直流空调单元
6. 展示厅家电办公直流应用
7.9. 智能系统监控和能耗测量单元
8. 系统配电,监测及保护

Cloud-based energy monitor, management, and control system

Optimal equipment choice and operation of direct-current microgrids

Efficiency Comparison:

	DC vs. AC
Lighting:	92% vs.78%
AC:	93% vs. 87%
Data Center:	78% vs.64%
EV Charger:	94% vs.76%

Xiamen Univeristy,The School of Energy Research conducts research and develops technologies in Advanced Nuclear Energy, Solar Energy, Chemical Energy, Bio-Energy, Energy Efficiency Engineering and Energy Economics

Collaboration Companies：Nextek （Emerge), PeoplePower，LBL，Intel， IBM

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