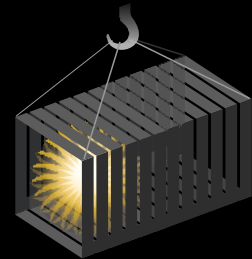


# HYBRID POWER SUPPLY SYSTEM

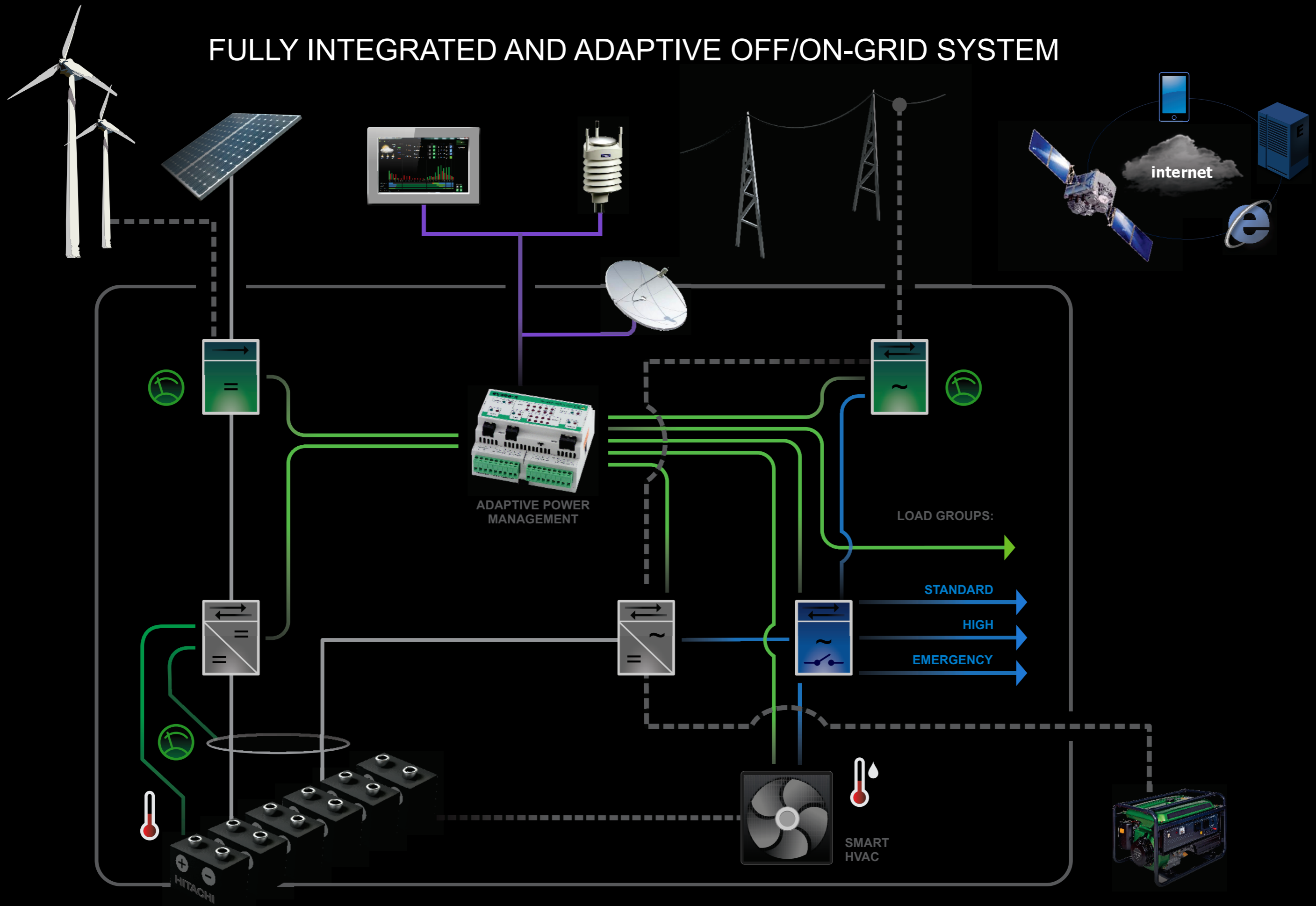
## POWER IQ



Fully integrated and adaptive  
Off/On grid solution



# FULLY INTEGRATED AND ADAPTIVE OFF/ON-GRID SYSTEM



## FULLY INTEGRATED AND ADAPTIVE OFF/ON-GRID SOLUTION

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- Integrated power generation, storage and load control
- Detailed electrical and environmental measurements
- Battery management, deep discharge protection
- Multilevel output load control, DMS - full demand site management
- Remote monitoring and management

## BASIC SPECIFICATIONS: AND ADAPTIVE OFF/ON-GRID SOLUTION

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Generator:	PV panels
Auxiliary generator:	diesel electrical generator, wind generator
Output:	to be selected by customer (220V 50Hz, 110 V 60Hz or user defined, DC power available, multi standard available)
Output load groups:	standard: 3 load groups (high availability, standard and emergency), customizable up to 16 groups
Storage capacity:	various models available, every order is individually tuned to customer needs, standard solutions also available
Environmental groups:	standard and tropical
Dimensions:	depends on model
Storage:	lead acid batteries
HVAC:	air conditioning and ventilation with special AC/HVAC system based on environmental conditions. Fully controlled, monitored and logged by control system
Control system:	based on smart green technology, fully distributed and fully customizable. Intelligent multilevel priority system (load groups), full data logging, smart grid functionality. Sensors: temperature, digital I/O, humidity, environmental monitoring, voltage, current, insolation, analogue I/O, motion sensor, smoke detection, water, fuel level and others. Access control (RFID, biometric,...).
Remote management:	solar web remote web accessible software, full monitoring and management system. Smart grid remote cooperation system.
Communication:	Ethernet, GPRS, GSM, satellite, SMS alarming



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