



FIDES AC-DC CONVERTER

Disruptive Innovation to smart IoT sustainable AC POWER

Novel Methodology Magnetic field harvesting AC - DC Solid States Valley fill with GFCI Switch

Tangible benefits in terms of reliability, Free maintenance, Small size and operating in extreme temperature environments



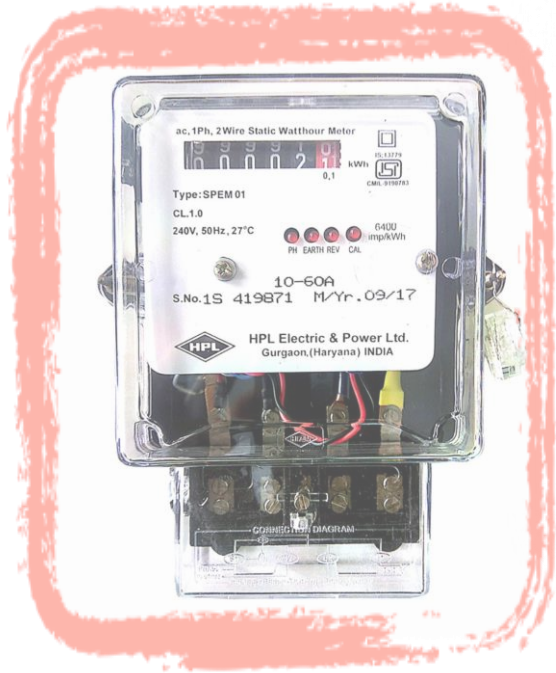
FIDES

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<http://www.standbyzero.com>

1. IoT Magnetic Field Harvesting Power Supply

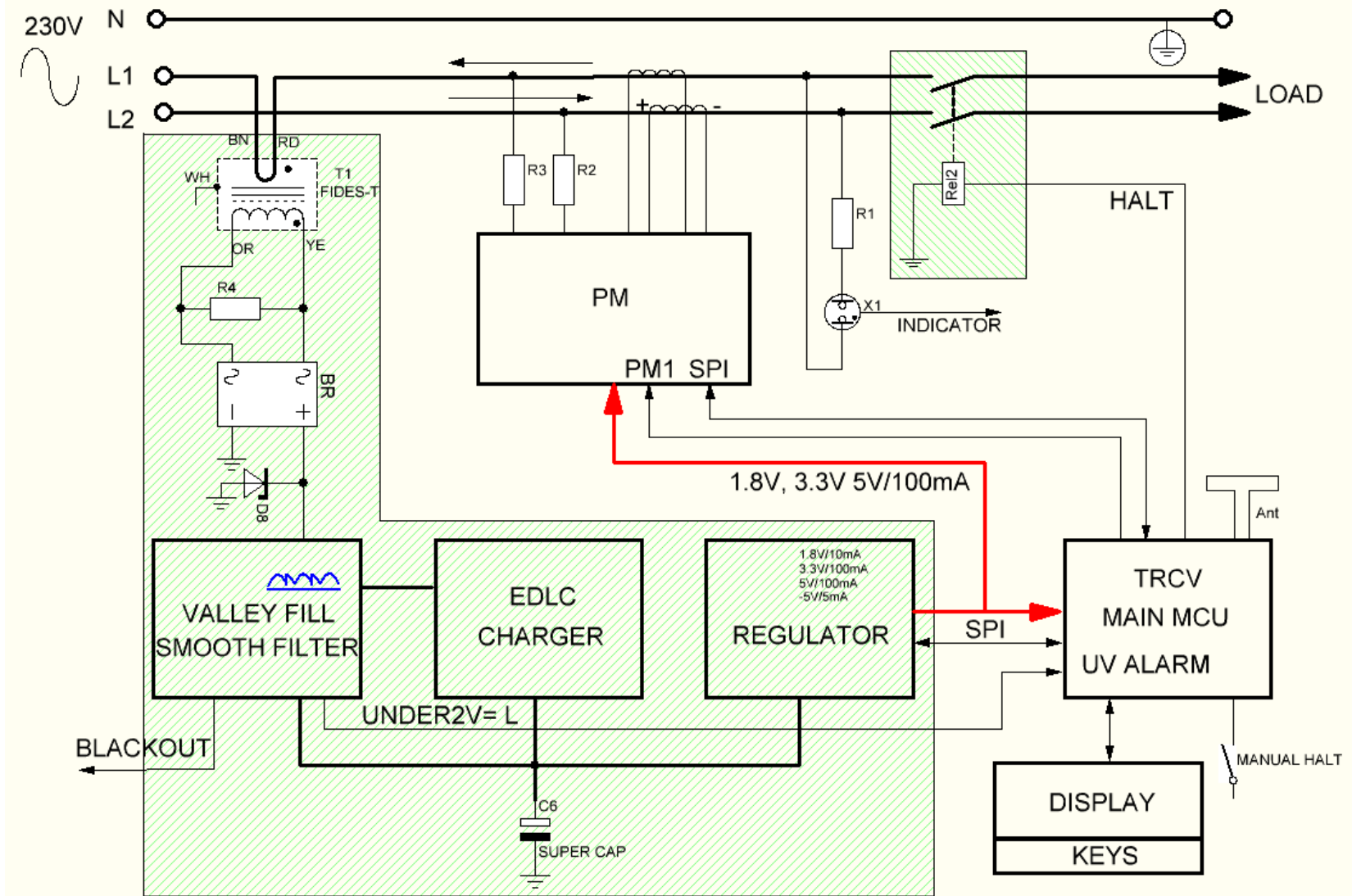
Sustainable electric energy power supply



What is the problem in smart meter?
Sustainability, Reliability, Durability.

1. Custom-made Function Modules

Sustainable Magnetic Field Harvesting Power Supply Novel Technology



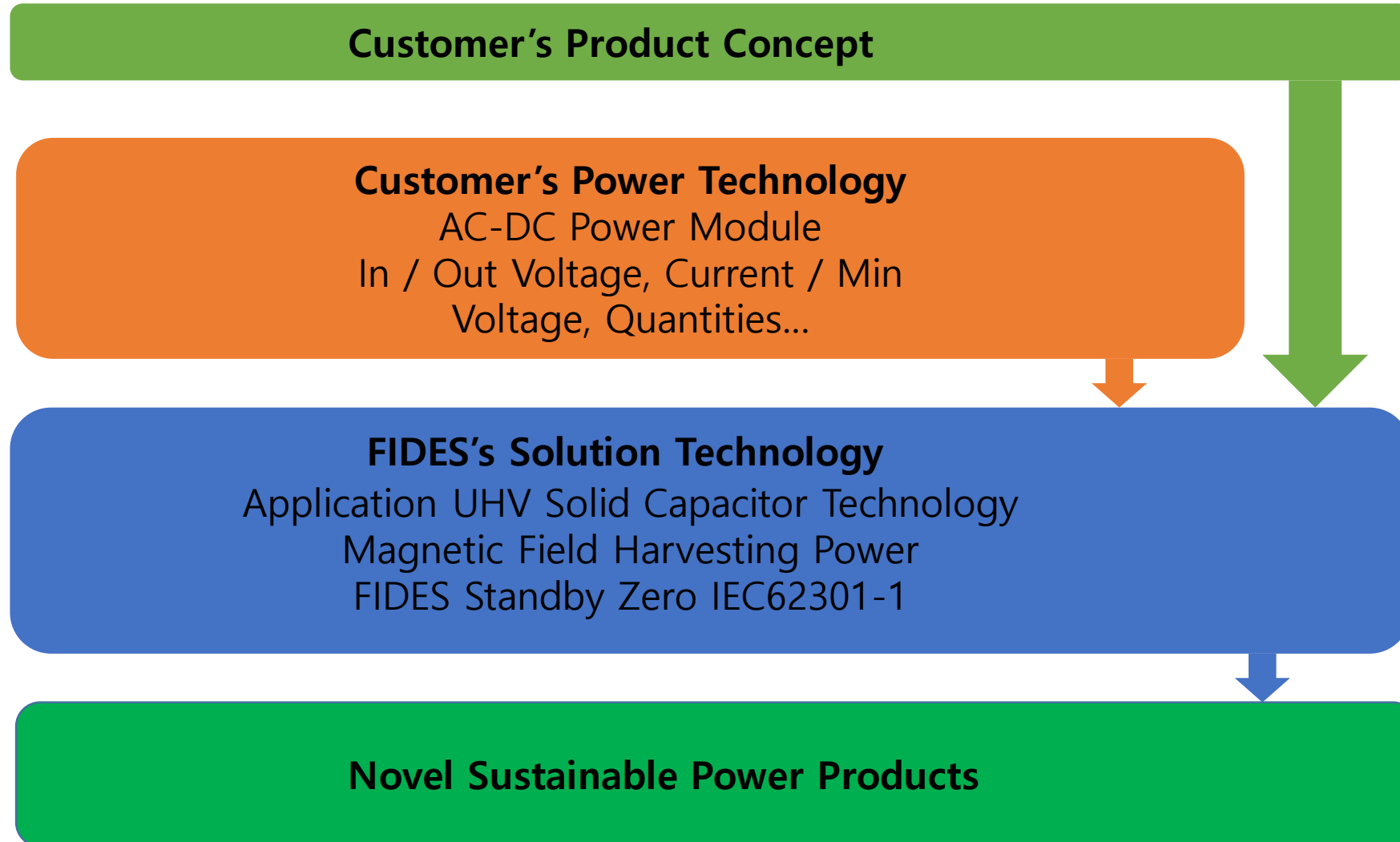
1. Custom-made Function Modules

Sustainable Magnetic Field Harvesting Power Supply Novel Technology

- FIDES can design and manufacture custom-made Function Modules with special function, shape and rational design, based on the specific circuitry from the customer.
- Function Modules is available with either miniature molded semiconductors or chip-bonded semiconductors for high density mounting.
- Custom-made “Function Modules” is to be designed and manufactured in the following stages:

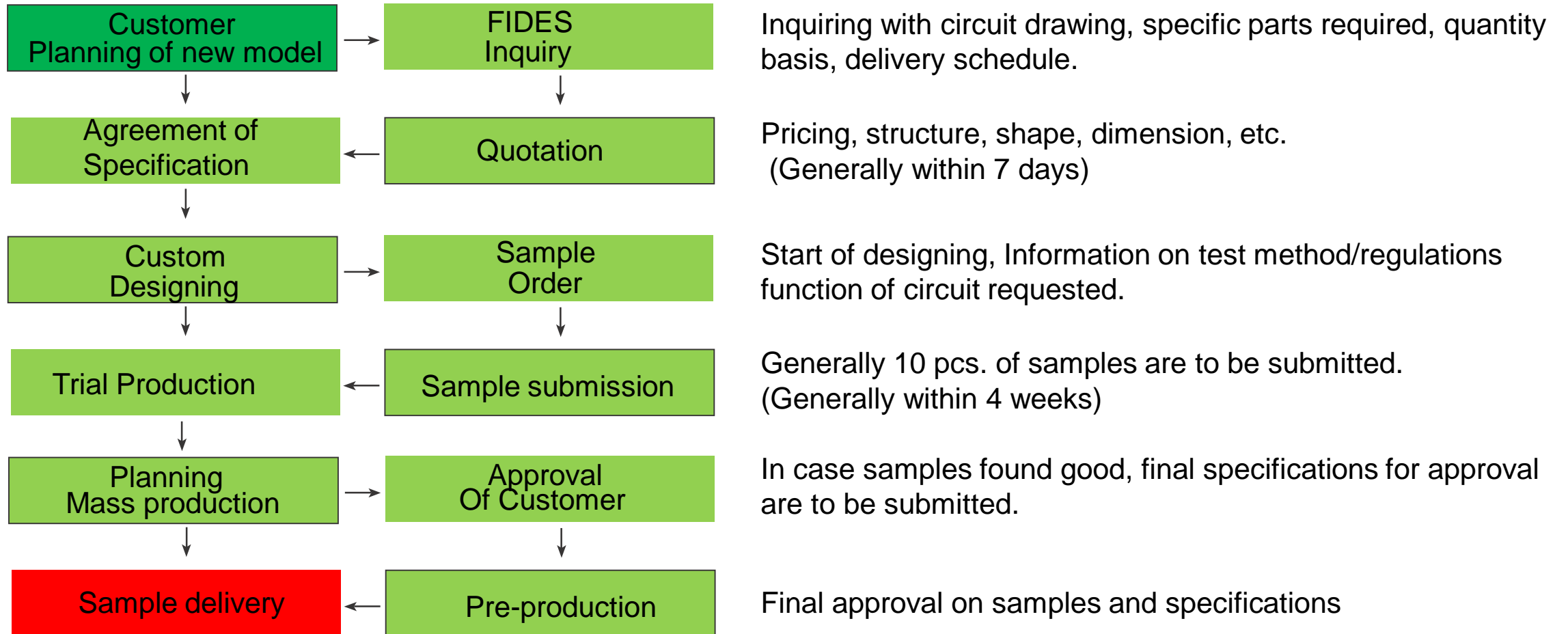
3. Custom made Function Modules

Model of Power Product Concept



2. Custom-made Function Modules

Custom order process



3. Custom made Function Modules

Order information

	INDISPENSABLE INFORMATION	NEEDFUL INFORMATION	INFORMATION FOR A MORE STRICT ESTIMATE
CIRCUIT INFORMATION	<ul style="list-style-type: none"> . CIRCUIT DRAWING . SPECIFIC PARTS SHOULD BE USED . QUANTITY BASIS 	<ul style="list-style-type: none"> . PART CAN BE SUBSTITUTE . DESCRIPTION OF CIRCUIT FUNCTION . TEST METHOD / REGULATION SPECIFICATION 	<ul style="list-style-type: none"> . CIRCUIT DRAWING SURROUNDING TO THE SUBJECTED CIRCUIT . DESCRIPTION OF SYSTEM FUNCTION
STRUCTURE INFORMATION	<ul style="list-style-type: none"> . STRUCTURE, DIMENSION, SHAPE REQUIREMENTS 	<ul style="list-style-type: none"> . DIMENSION LAYOUT . APPLICABLE SPECIFICATION . APPEARANCE REQUIREMENT 	<ul style="list-style-type: none"> . STRUCTURE INFORMATION OF MODULE
RELIABILITY INFORMATION	<ul style="list-style-type: none"> . PURPOSE OF USE 	<ul style="list-style-type: none"> . AMBIENT CONDITIONS INFORMATION . QUALITY ASSURANCE REQUIREMENT . SCREENING REQUIREMENT 	<ul style="list-style-type: none"> . WHETHER SPECIAL CONTRACT IS REQUIRED
PRODUCT INFORMATION	<ul style="list-style-type: none"> . ANNUAL USAGE . MASS-PRODUCTION STARTING DATE 	<ul style="list-style-type: none"> . TARGET LIFE TIME . DEVELOPING SCHEDULE . NEW PROJECT OR CURRENT MODEL 	<ul style="list-style-type: none"> . TOTAL USAGE OF OTHER UNIT INCLUDED . PAST USAGE

Notice:

Confidential information given by the customer will be strictly kept secret without permission in writing.

1. IoT Electrocitity Power

Standard Type Module

Exterior and Measurement Map (unit : mm)

15W	50W	notes
<p>SIP Type</p> <p>Phenol Resin Coating</p> <p>Enlarged figure of "A" part.</p>	<p>Style No.A Resin Coating •Horizontal Type, Space Saver</p>	
<p>DIP Type</p> <p>Enlarged figure of "A" part.</p>	<p>Style No.D Without Coating •DIP Style</p>	

SIP type is resin coating for small space, and DIP type is resin case, steer cover and resin coating for low profile application.

Output Power	Input Voltage	Output Voltage	Output Current	Part Number	Note

FIG1. FIDES-Mx APPLICATION:

