

OPTInet series

Type	Nominal current*	Rating	Efficiency η	Losses (approx)	Speed regulation	Enclosure	Weight
	[A]	[kVA]	[%]	[kW]	[ms/V]	[Type]	[kg]

OPTInet Basic +15%

OPTInet Basic 90A	90	65	>97	1.5	16	23	200
OPTInet Basic 125A	125	90	>98	1.3	16	31	320
OPTInet Basic 160A	160	115	>98	2.2	16	40	390
OPTInet Basic 200A	200	145	>98	2.8	16	41	490
OPTInet Basic 260A	260	185	>98	3.4	16	41	580



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ECOD IN-ML-125	125	85	99.7	0.25			85
ECOD IN-ML-175	175	110	99.7	0.33			95
ECOD IN-ML-200	200	135	99.7	0.40			115
ECOD IN-ML-250	250	165	99.7	0.49			125

Pizza Company Sukhumvit 22 Bangkok, Thailand

Necessary device for installation: **110 KVA 175 Amp**

Average consumption per hour – **38 KWH**

Average **energy saving** effect through Voltage reduction – **9%= 3.42 KWH**

Energy Losses of **OPTiNet Series (ORTEA)** – **2.2 KWH**

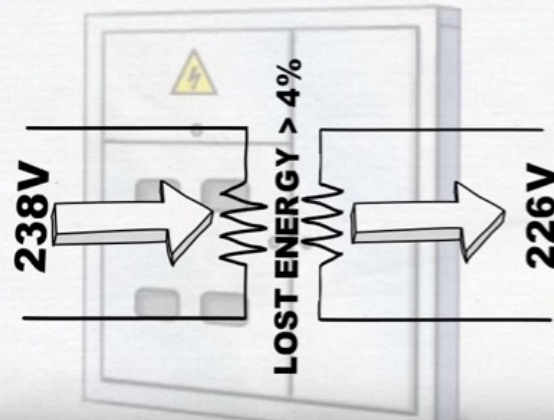
Energy Losses of **Smart-Optimizer ECOD** – **0.33 KWH**

Energy saving by using **OPTiNet Series (ORTEA)** – **1.22 KWH=3.2 %**

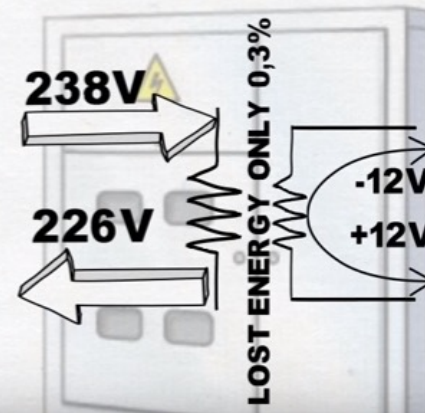
Energy saving by using **Smart-Optimizer ECOD** – **3.09 KWH=8.13%**

Example

HOW DOES IT WORK WITH STABILIZERS



HOW DOES IT WORK WITH OUR DEVICE



Differences with stabilizers

Why are conventional stabilizers not suited for optimization?

Our patented voltage regulation technology achieves a 99.7% efficiency. Regular stabilizers and transformers have an efficiency of 95% - 97%.

The use of conventional stabilizers for optimization of consumption is in most cases ineffective, and even results in loss of energy.

We use transformers with 15 times less capacity than the ones in use with regular stabilizers for identical load capacity.