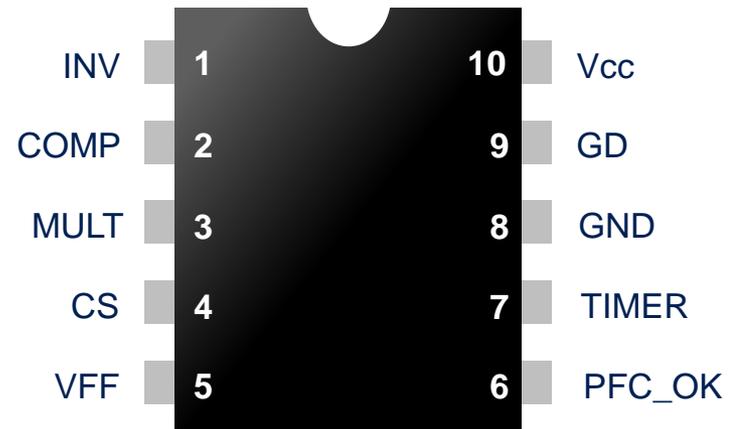


L4984D CCM PFC Controller

Current-mode PFC controller
operating with line-modulated
fixed-off-time control

Compact and versatile
current mode CCM PFC

Available in an ST
proprietary SSO10 Halogen
Free package



Features and benefits

Features	Benefits
<ul style="list-style-type: none">Proprietary LM-FOT modulator for nearly fixed frequency operation	<ul style="list-style-type: none">Simple design and reduced BOM
<ul style="list-style-type: none">Fast bidirectional input voltage feed forward ($1/V^2$)	<ul style="list-style-type: none">Mains drops and surges rejection
<ul style="list-style-type: none">Soft start	<ul style="list-style-type: none">Perfect inrush energy management
<ul style="list-style-type: none">Proprietary THD optimizer circuit	<ul style="list-style-type: none">Enhanced performance
<ul style="list-style-type: none">Full set protections embedded:<ol style="list-style-type: none">Feedback loop failureOver voltage protectionInductor saturationAC brown out	<ol style="list-style-type: none">Avoid bulk capacitors burning and down stream converter damagingImproved design reliabilityAvoid MOSFET damageAvoid bridge, inductor and MOSFET damage

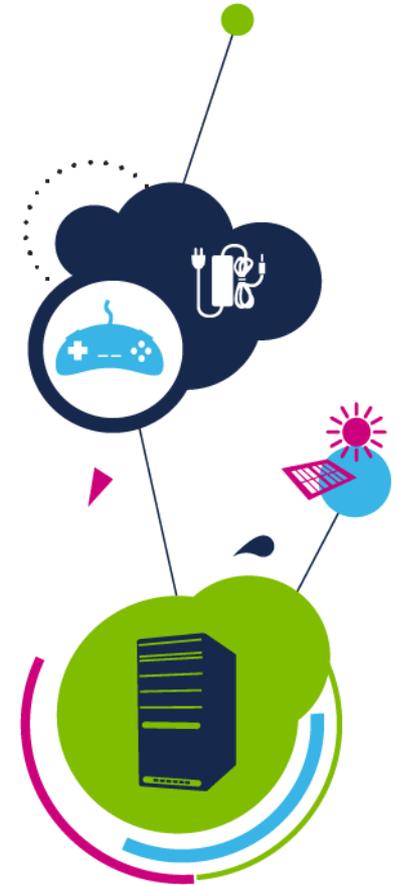
Why move to L4984D

Simple device, high performance:

- L4984D is the right solution for middle-high power SMPS and is the best trade off between full set features, performance and price, form factor

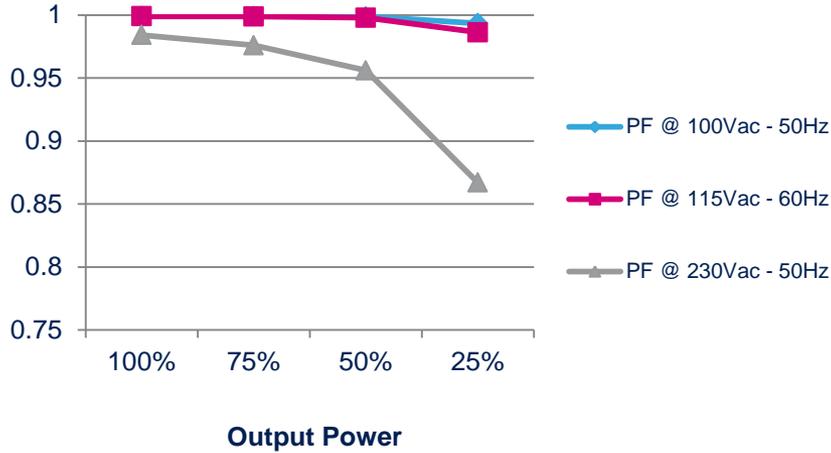
Higher power density:

- Thanks to its ST proprietary package (10 pins in a SO8 body) and driving capability is able to address a wide range of applications from simple, such as high-end game consoles, desktop, and workstation to the more complex high-end servers, EV battery chargers, solar inverters or SMPS for data centers.

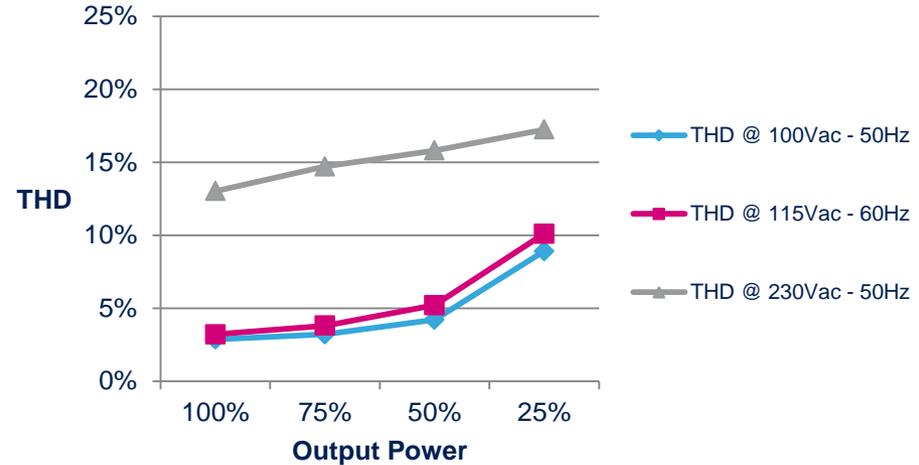


EVL4984-350W 350 W demo board - data

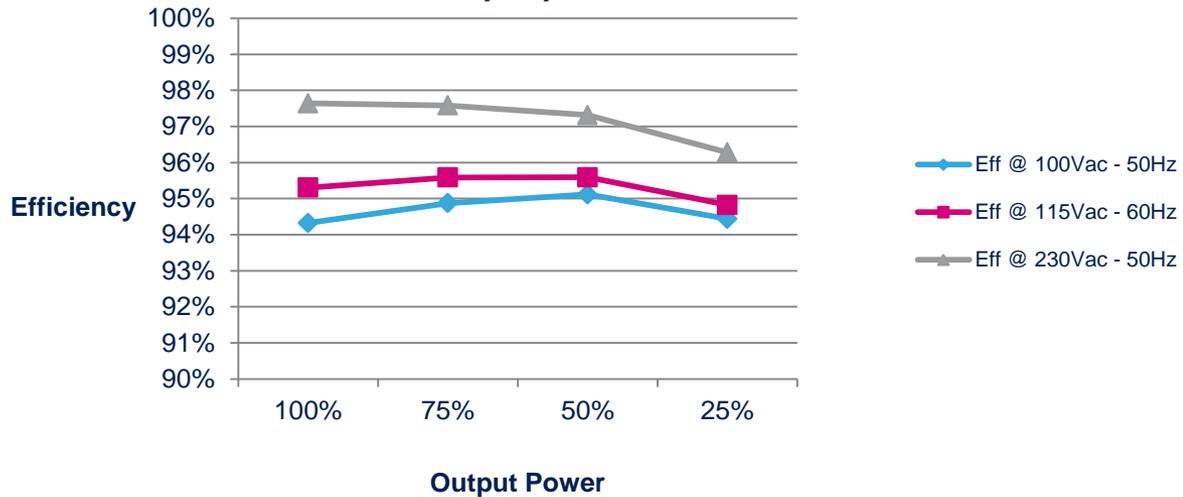
PF vs. output power



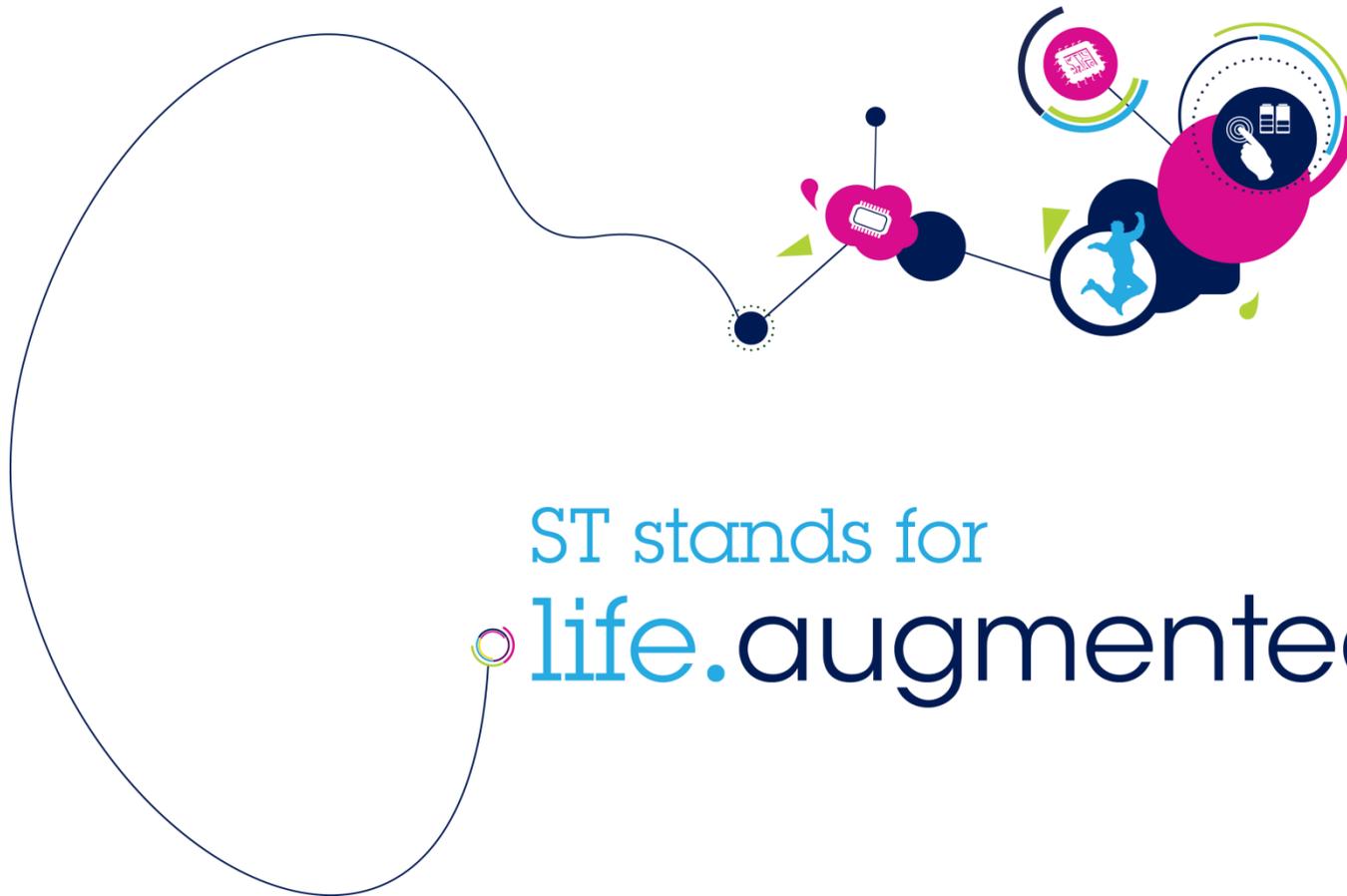
THD vs. output power



Eff vs. output power



Thank you!



ST stands for
life.augmented