

Universal Input		
Part Number	Max. Power at 90 VAC	Peak Output Power
PFS7623H/L	110 W	120 W
PFS7624H/L	130 W	150 W
PFS7625H/L	185 W	205 W
PFS7626H	230 W	260 W
PFS7627H	290 W	320 W
PFS7628H	350 W	385 W
PFS7629H	405 W	450 W
High-line Only Input		
PFS7633H	255 W	280 W
PFS7634H	315 W	350 W
PFS7635H	435 W	480 W
PFS7636H	550 W	610 W

Best Qspeed X-Series boost diodes

- LXA03T600 : 100 W to 250 W
- LXA04T600 : 250 W to 400 W
- LXA06T600 : 400 W to 550 W

Continuous Conduction Mode Controller Plus Boost MOSFET

Integrated 600 V Boost- MOSFET

Easily meets derating requirements for industrial applications
Supports 308 VAC for lighting and challenging environments

Very High Efficiency flat across load

Frequency Sliding keeps efficiency High

Low EMI, minimized inductance

Spread-Spectrum Switching reduces EMI and reduces size of boost inductor

Very low no-load performance

Consumes less than 60 mW switching at no load

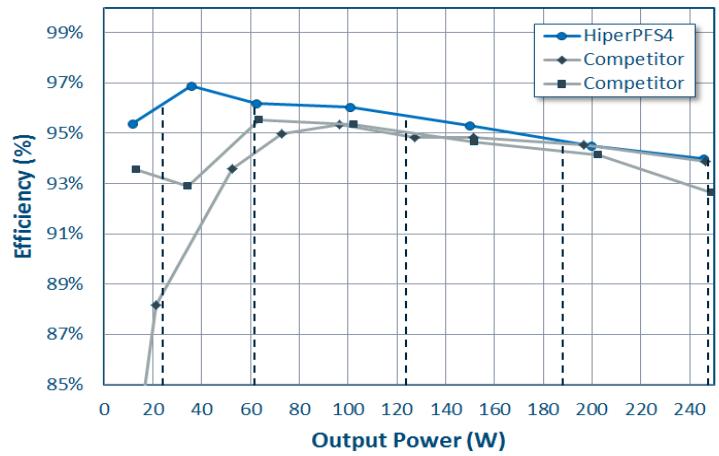
Consumes less than 20 mW in shutdown

High PF and low THD across load

Easily meets 80 plus platinum and 80 Plus Titanium requirements

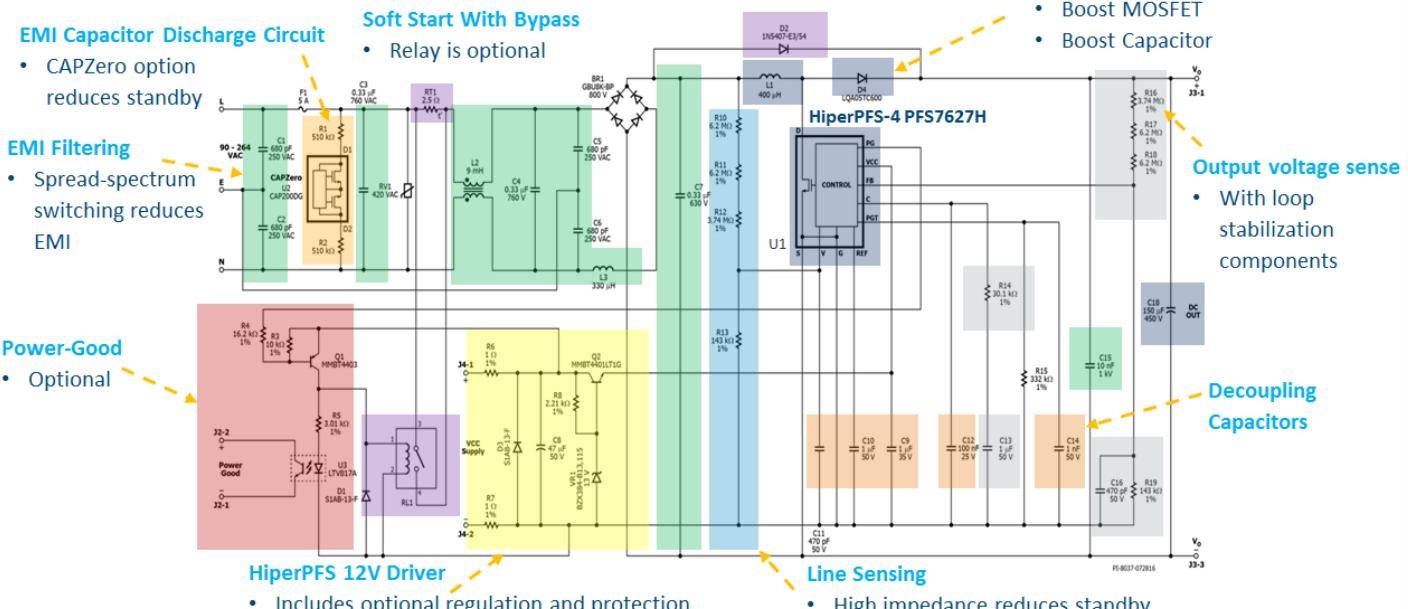
Reduced BOM - Fewest external components allows very compact designs

Key Benefits of HiperPFS-4



High Efficiency across load

DER-547 – Only 39 (53) Components



DER-547 Full functionality only requires 39 components – (with efficiency-boost relay and power good signal additions = 59)

HiperPFS-4 Easily Meets PFC Requirements for 80 Plus Platinum and Titanium

Frequency sliding

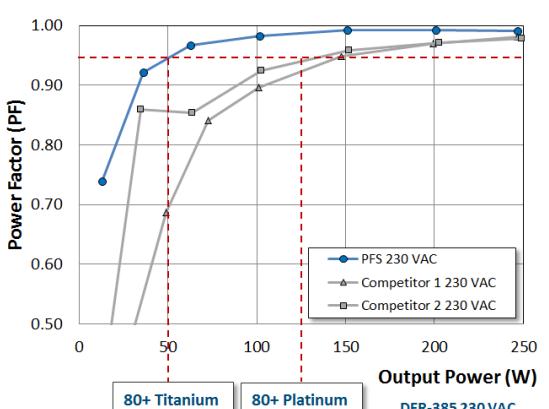
As load decreases switching frequency decreases

- Ensures high efficiency at light load

Spread-spectrum Switching

Switching frequency changes across AC cycle

- Reduces EMI by spreading switching energy
- Minimizes size of the boost inductor



115 VAC	PF at Load %
80 Plus	0.9 at 50%
Bronze	0.9 at 50%
Silver	0.9 at 50%
Gold	0.9 at 50%
Platinum	0.95 at 50%
Titanium	0.95 at 20%

230 VAC	PF at Load %
80 Plus	0.9 at 50%
Bronze	0.9 at 50%
Silver	0.9 at 50%
Gold	0.9 at 50%
Platinum	0.95 at 50%
Titanium	0.95 at 20%

Frequency Sliding and Spread Spectrum Switching

Best PF and low THD across the load range