

| 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

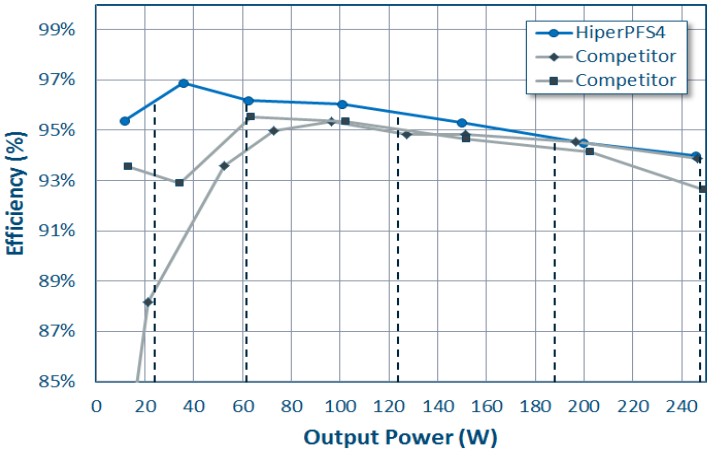
Consumes less than 60 mW switching at no load

Consumes less than 20 mW in shutdown

High PF and low THD across load

Easily meets 80 plus platinum and 80 Plus Titanium requirements

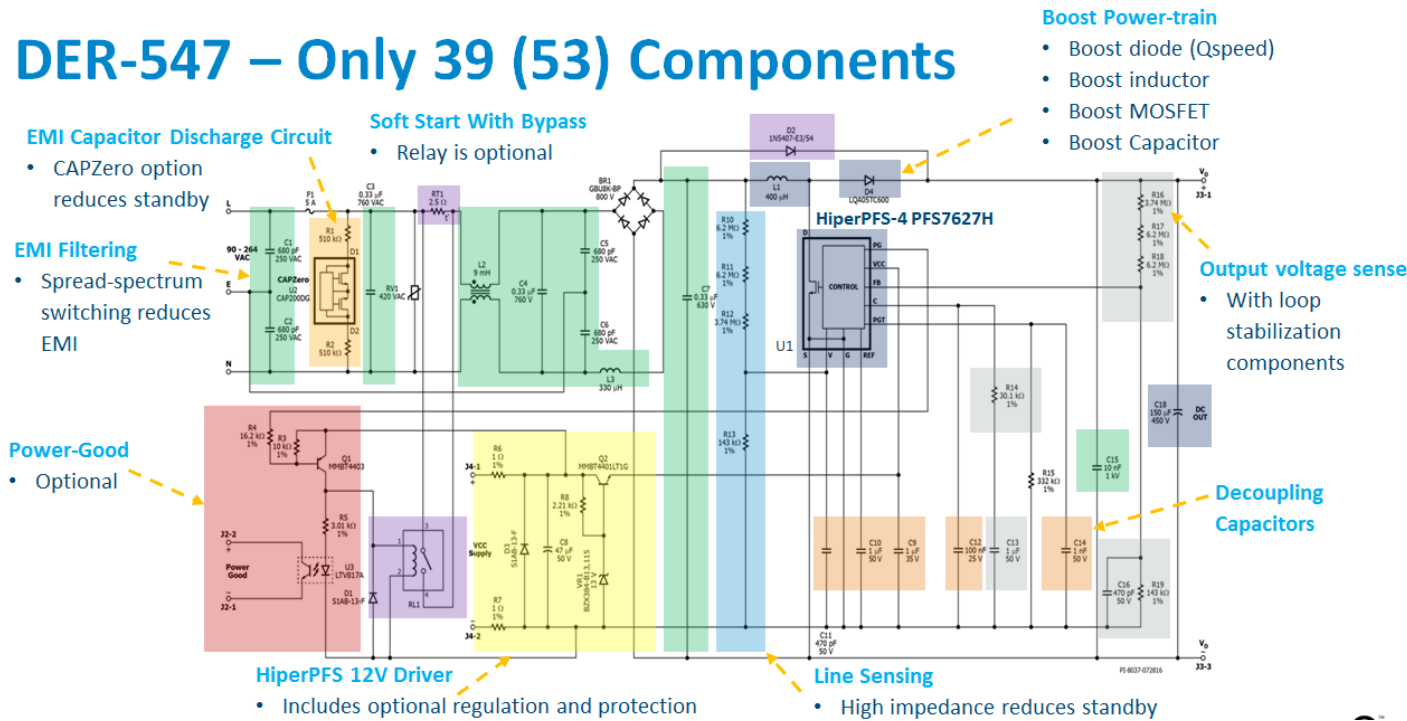
Reduced BOM - Fewest external components allows very compact designs



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)

Frequency sliding

As load decreases switching frequency decreases

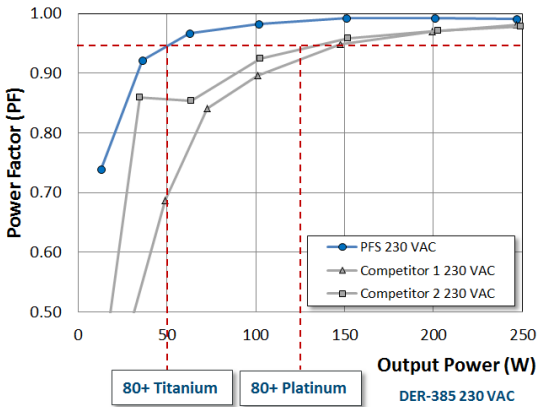
- Ensures high efficiency at light load

Spread-spectrum Switching

Switching frequency changes across AC cycle

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

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



| 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  |              |
| 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