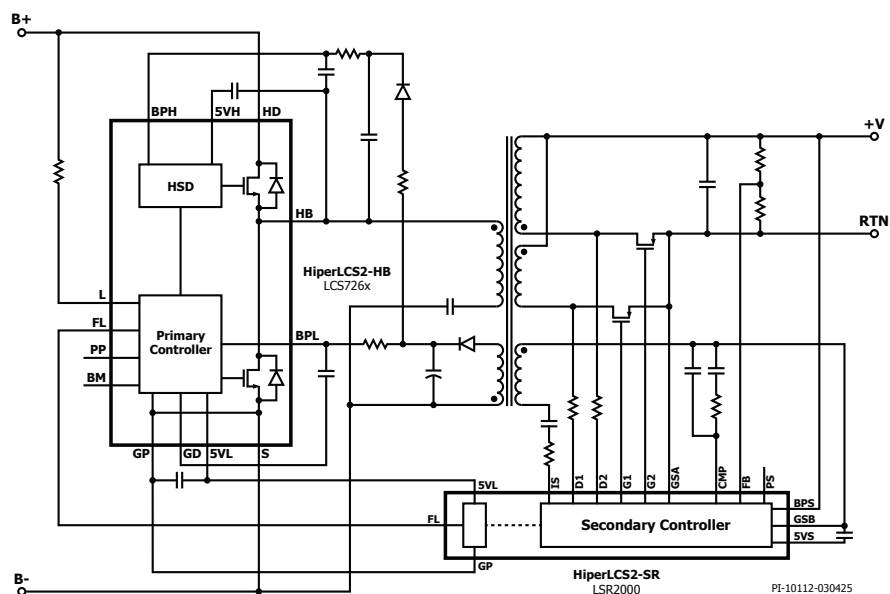


HiperLCS™ -2 Chipset

- Excellent performance across entire load range
 - More than 98% efficient (full load)
 - Accurate regulation and low output ripple
 - No-load less than 40 mW
- Very low component count
 - Lossless current sensing
 - Self-powered start-up
 - Integrated FluxLink™ isolated control link and synchronous rectification control

Off-Line LLC Switcher IC Chipset with Integrated 600 V FREDFETs, Synchronous Rectification Control & FluxLink Communication



Applications

High efficiency power conversion delivering up to 1650 W continuous output:

- Ebikes and EV 2-wheeler chargers
- PCs
- TVs
- Audio
- Tool chargers



InSOP™-24C (HiperLCS2-HB)
(C Package)

Output Power

Power Device	Safety Isolation Device	385 VDC $\pm 5\%$		
		Adapter (W)	Forced Air Cooled	Peak Power (W)
LCS7260C	LSR2000C	80	N/A	135
LCS7262C		120	N/A	205
LCS7265C		220	N/A	375
LCS7265Z		460	520	780
LCS7268Z		720	830	1225
LCS7269Z		1440	1650	2450



InSOP™-24D (HiperLCS2-SR)



POWeDIP™-20B (HiperLCS2-HB)
(Z Package)

Design Support

Data Sheet	HiperLCS-2 chipset data sheet (www.power.com/hiperlcs-2-data-sheet)
Design Example	1650 W DC-DC LLC resonant half-bridge converter with SR using HiperLCS2-HB and HiperLCS2-SR (DER-1060) (www.power.com/der-1060)
Design Example	720 W (60 V, 12 A) compact power factor corrected LLC power supply with CV and CC mode control using HiperLCS-2 chipset and HiperPFS-3 (RDK-1063) (www.power.com/rdr-1063)
Design Example	720 W (48 V) DC-DC LLC resonant half-bridge converter with synchronous rectification using HiperLCS2-HB and HiperLCS2-SR (DER-978) (www.power.com/der-978)
Design Example	720 W (60 V, 12 A) power factor corrected LLC power supply with CV and CC mode control using HiperLCS-2 chipset and HiperPFS-3 (DER-984) (www.power.com/der-984)
Design Example	220 W (24 V) power factor corrected LLC power supply for displays and power tools using HiperLCS-2 chipset and HiperPFS-5 (DER-672) (www.power.com/der-672)
Video	Introduction to HiperLCS-2 chipset (www.power.com/hiperlcs-2-video)
Video	HiperLCS-2 LLC Switcher ICs Deliver 1650 W Continuous Output (https://www.power.com/videos/hiperlcs-2-powedip)
Video	720 W (60 V, 12 A) power factor corrected LLC power supply with CV and CC mode control using HiperLCS-2 chipset and HiperPFS-3 (RDK-1063) (www.power.com/videos/rdk-1063)