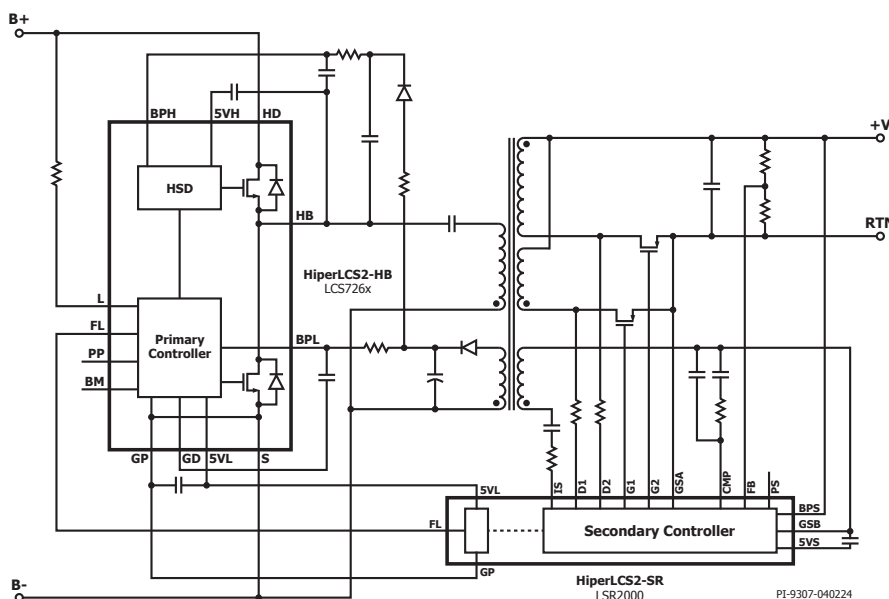


HiperLCS™ -2 Chipset

- Excellent performance across entire load range
 - More than 98% efficient (full load)
 - Accurate regulation and low 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 controller

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



Applications

High efficiency power supplies up to 1650 W:

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

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™-24C (HiperLCS2-HB)



InSOP™-24D (HiperLCS2-SR)



POWeDIP™-20B (HiperLCS2-HB)

Design Support

Data Sheet

HiperLCS-2 chipset data sheet (www.power.com/hiperlcs-2-data-sheet)

Design Example

720 W, 48 VDC DC-DC LLC resonant half-bridge converter with synchronous rectification using HiperLCS2-HB and HiperLCS2-SR (DER-978) (www.power.com/der-978)

Video

Introduction to HiperLCS-2 chipset (www.power.com/hiperlcs-2-video)