

## A Wide Output Range High Power Efficiency Reconfigurable

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### A Wide Output Range High

efficiency with respect to the wide output voltage range. This chip is fabricated using 0.18 mm BCD process with high power MOSFET options, and the die area is 1870 mm x 1430 mm. The power consumption of the charge pump itself is 79.13 mW when the output power is 415.45 mW at the high voltage mode, while it is 20.097 mW when the output

### A Wide Output Range, High Power Efficiency Reconfigurable ...

The LT®1676 is a wide input range, high efficiency Buck (step-down) switching regulator. The monolithic die in-cludes all oscillator, control and protection circuitry. The part can accept input voltages as high as 60V and contains an output switch rated at 700mA peak current. Current mode control offers excellent dynamic input supply rejec-

### LT1676 - Wide Input Range, High Efficiency, Step-Down ...

The series uses step-down non-isolated power modules that operate from an input range of 9 up to 53Vdc, with a wide adjustable output voltage range of 3.3 up to 24V. The DDA is ideally suited for generating additional low cost, high current outputs from an existing 24V bus in industrial, semi fabrication and test and measurement equipment.

### Wide input and output range convection cooled DIN rail ...

High Frequency Wide Output Range Boost-Flyback Converter with Zero Voltage Switching Yuan Liu 1, Yi Dou2, Mingxing Du , Kexin Wei , Hurley Gerard1, Michael A.E.Andersen2 and Ziwei Ouyang2 1School of Electrical and Engineering,Tianjin University of Technology,Tian jin, China 2Electrical Engineering,Technical University of Denmark, Copenhagen, Denmark zo@elektro.dtu.dk

### High Frequency Wide Output Range Boost-Flyback Converter ...

130 W boost modules sport high density and wide output range. December 17, 2017 by Susan Nordyk Comment 1. Two 130 W models join GE's BoostLynx line of DC/DC boost converters that enable power conversion from 12 V to 54 V.

### 130 W boost modules sport high density and wide output range

The OPA548 device is a low-cost, high-voltage, and high-current operational amplifierthat is designed to drive a wide variety of loads. A laser-trimmed, monolithic, integrated circuitprovides excellent low-level signal accuracy and high-output voltage and current. The OPA548 operates from either single or dual supplies for design flexibility.

### OPA548FKTWT | High-Voltage, High-Current, Wide-Output ...

Wide output voltage range is achievable from this topology since it has a variable voltage gain during a wide frequency variation. Stray inductances and parasitic capacitances of its components can be merged in the main elements.

### A Novel Design of LLC Resonant Converter for Wide Output ...

High efficiency over a wide load range is the requirement in the real world. The analysis of dead-time optimization makes high efficiency optimization over a wide load range achievable. Based on the analysis in the previous sections, the 80 optimal dead-time for a specific load condition can be found.

### High Efficiency Optimization of LLC Resonant Converter for ...

Above 150 °C, the output decreases slowly, but is still as high as 30 V at 300 °C, whereas PEH made of PVDF and PDMS showed no obvious output. This result indicates that the device can operate stably below 150 °C and is still workable at temperatures as high as 300 °C.

### Flexible piezoelectric energy harvester/sensor with high ...

high efficiency across the entire range when input voltage or output-voltage range is wide. The overall efficiency of converters operating in wide input-voltage and/or output-voltage range can be improved by multi-stage conversion [9]-[12]. Typically in this approach, the regulation task and isolation task are performed in two separate

### Efficiency Optimization of LLC Resonant Converters ...

5.0V fixed-output voltage versions in SOT89 and SOT25 with an adjustable voltage version in SOT25. Wide-Input Voltage Range, High PSRR, 200mA LDO Regulator for Noise-Sensitive Industrial Applications. AP2205 . Applications

### Wide Input Voltage Range, High PSRR, 200mA LDO Regulator ...

The unique advantages of the proposed system include:(1) a wide input voltage range (28V to 100V) with a wide output voltage (150V to 400V) while maintaining high efficiency operation. Therefore, it provides a universal solution for aerospace systems with different bus voltages.

### A Universal High Efficiency Modular Discharge Over a Wide ...

With the interleaving technique and shared primary-side switching network, the circuit secondary-side current stress is halved and the primary-side current stress is largely reduced. Besides, the filter capacitor requirement is reduced. Therefore, the proposed structure is a good option for medium/high power wide output range applications.

### An Interleaved Secondary-Side Modulated LLC Resonant ...

Experimental results confirm the high performance of the wide output range LLC resonant converter even under the worst case conditions. Discover the world's research 17+ million members

### (PDF) A Design Procedure for Optimizing the LLC Resonant ...

The converter is fabricated in a UMC 65-nm process using standard 2.5-V I/O devices, and is able to handle a 5-V input voltage and provide a 0.6-4.2-V-wide output range. In the measurement, the voltage across C F is always calibrated to Vg/2 under various conditions to release the voltage stress on the highand low-side power transistors and C F ...

### A High-Frequency Three-Level Buck Converter With Real-Time ...

Long Range High-Output 1-Mile Waterproof 4-Dog Expandable Remote Dog Training E-Collar with LED Receiver for Professionals The Dogtra EDGE is designed for dog owners and trainers that need advanced features such as customizability, expandability, and durability. The EDGE handheld transmitter is a tube shape that fits right in your hand, which ...

### Amazon.com: Dogtra Edge Long Range High-Output 1-Mile ...

The AD8227 is a low cost, wide supply range instrumentation amplifier that requires only one external resistor to set any gain between 5 and 1000. The AD8227 is designed to work with a variety of signal voltages. A wide input range and rail-to-rail output allow the signal to make full use of the supply rails. Because the input range can

### Wide Supply Range, Rail-to-Rail Output Instrumentation ...

We show using nano-antenna theory that this photonic nanostructure is essential to realize 2D beam scanning lasers with high output power and high beam quality. ... beams over a wide range of 2D ...

### Dually modulated photonic crystals enabling high-power ...

A variable valving system was developed. This system has two cam profiles, one for low speed and one for high speed. A 1.2-litre DOHC experimental engine using this system was made and mounted in the body of a 2-litre class passenger car. Test results of this car were compared to those of the same c

### A High Power, Wide Torque Range, Efficient Engine with a ...

Output Voltage Range: Fixed or Adjustable Between 3.5V and 60V; Enables Crank-Ready Designs . Operates Down to 1.8V After Startup ; Wide Input Supply Range from 4.5V to 36V; EMI Reduction Features Reduce Interference with Sensitive Radio Bands Without Sacrificing Wide Input Voltage Range . Spread-Spectrum Option ; Frequency-Synchronization Input