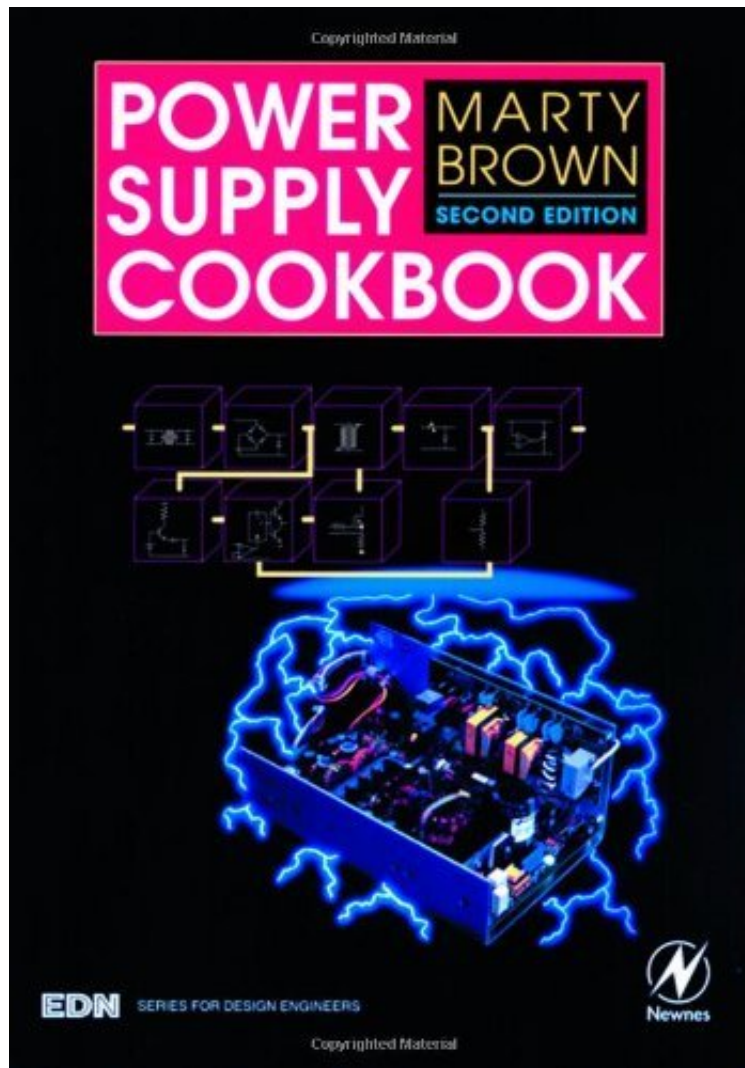


[Download free ebook] Power Supply Cookbook (EDN Series for Design Engineers)

## Power Supply Cookbook (EDN Series for Design Engineers)

Von Marty Brown

*\*Download PDF / ePub / DOC / audiobook / ebooks*



DOWNLOAD



READ ONLINE

Produktinformation Veröffentlicht am: 2001-06-13 Erscheinungsdatum: 2001-06-13 File Name: B001077IFM | File size: 44.Mb

**Von Marty Brown : Power Supply Cookbook (EDN Series for Design Engineers)** before purchasing it in order to gage whether or not it would be worth my time, and all praised Power Supply Cookbook (EDN Series for Design Engineers):

Kundenrezensionen Hilfreichste Kundenrezensionen 0 von 0 Kunden fanden die folgende Rezension hilfreich. Good level of detail. Von Norman Lange (nlange@flash.net) This book has a good level of detail overall. Brown's use of design examples give the reader enough meat to be of use in actual design situations. Also has a good section on

thermal analysis/design and feedback loop compensation.

Kurzbeschreibung Power Supply Cookbook, Second Edition provides an easy-to-follow, step-by-step design framework for a wide variety of power supplies. With this book, anyone with a basic knowledge of electronics can create a very complicated power supply design in less than one day. With the common industry design approaches presented in each section, this unique book allows the reader to design linear, switching, and quasi-resonant switching power supplies in an organized fashion. Formerly complicated design topics such as magnetics, feedback loop compensation design, and EMI/RFI control are all described in simple language and design steps. This book also details easy-to-modify design examples that provide the reader with a design template useful for creating a variety of power supplies. This newly revised edition is a practical, "start-to-finish" design reference. It is organized to allow both seasoned and inexperienced engineers to quickly find and apply the information they need. Features of the new edition include updated information on the design of the output stages, selecting the controller IC, and other functions associated with power supplies, such as: switching power supply control, synchronization of the power supply to an external source, input low voltage inhibitors, loss of power signals, output voltage shut-down, major current loops, and paralleling filter capacitors. It also offers coverage of waveshaping techniques, major loss reduction techniques, snubbers, and quasi-resonant converters. \* Guides engineers through a step-by-step design framework for a wide variety of power supplies, many of which can be designed in less than one day\* Provides easy-to-understand information about often complicated topics, making power supply design a much more accessible and enjoyable process

Pressesstimmen...a practical, -start-to-finish- design reference. It is organized to allow both seasoned and inexperienced engineers to quickly find and apply the information they need.-ElectronicsWeb

Want to know how those new, strange looking switching power supplies work? Skimming this book is certainly one very nice way to learn their functions. Want to try designing your own, with a reasonable probability of success? Just follow the cookbook! - QST

Fortunately, for those of us with little switching-mode power supply experience, two basic configuration are shown to begin the design sections. Basic schematics and waveforms, with simplified equations, introduce the forward-mode converter and the boost-mode converter. Thus, the flow chart on the following page, used to guide you to a complete design, now makes sense. - QST...a practical, "start-to-finish" design reference. It is organized to allow both seasoned and inexperienced engineers to quickly find and apply the information they need.-ElectronicsWeb

Want to know how those new, strange looking switching power supplies work? Skimming this book is certainly one very nice way to learn their functions. Want to try designing your own, with a reasonable probability of success? Just follow the cookbook! - QST

Fortunately, for those of us with little switching-mode power supply experience, two basic configuration are shown to begin the design sections. Basic schematics and waveforms, with simplified equations, introduce the forward-mode converter and the boost-mode converter. Thus, the flow chart on the following page, used to guide you to a complete design, now makes sense. - QST

Kurzbeschreibung Power Supply Cookbook, Second Edition provides an easy-to-follow, step-by-step design framework for a wide variety of power supplies. With this book, anyone with a basic knowledge of electronics can create a very complicated power supply design in less than one day. With the common industry design approaches presented in each section, this unique book allows the reader to design linear, switching, and quasi-resonant switching power supplies in an organized fashion. Formerly complicated design topics such as magnetics, feedback loop compensation design, and EMI/RFI control are all described in simple language and design steps. This book also details easy-to-modify design examples that provide the reader with a design template useful for creating a variety of power supplies. This newly revised edition is a practical, "start-to-finish" design reference. It is organized to allow both seasoned and inexperienced engineers to quickly find and apply the information they need. Features of the new edition include updated information on the design of the output stages, selecting the controller IC, and other functions associated with power supplies, such as: switching power supply control, synchronization of the power supply to an external source, input low voltage inhibitors, loss of power signals, output voltage shut-down, major current loops, and paralleling filter capacitors. It also offers coverage of waveshaping techniques, major loss reduction techniques, snubbers, and quasi-resonant converters. \* Guides engineers through a step-by-step design framework for a wide variety of power supplies, many of which can be designed in less than one day\* Provides easy-to-understand information about often complicated topics, making power supply design a much more accessible and enjoyable process