Batterielade- und Schaltregler-ICs

Anbieter (Vertragshersteller)	der Anbieter ist: Hersteller	der Anbieter ist: Distributor	Batterielade-ICs: Art der Ladung: Konstantstrom-Ladung	Art der Ladung: Konstantspannungs-Ladung	Art der Ladung: Kombination aus Konstantstrom- und Konstantspannungs-Ladung	für eine Akkutechnik	für mehrere Akkutechniken	Schnellader (bis 1 Stunde)	Low-Current-Lader (8 bis 15 Stunden)	Abschaltkriterien: Zeit	Abschaltkriterien: Temperatur	Abschaltkriterien: Spannung (-Delta U)	Abschaltkriterien: Spannungsgradienterkennung	Abschaltkriterien: gemäß CCS-Ladeverfahren	Abschaltkriterien: sonstige	bleihaltige Versionen weiterhin erhältlich	Schaltregler-ICs	SMD-Versionen	bedrahtete Versionen	Peak-Strom in A: ≤0,5	Peak-Strom in A: ≤1	Peak-Strom in A: ≤4	Transistoransteuerung: integrierter Schalter	Transistoransteuerung: externer Schalter	synchrone Ansteuerung	nichtsynchrone Ansteuerung (Schottky-Diode)	Eingangsspannungen in V: min.: <2	Eingangsspannungen in V: min.: 2-4	Eingangsspannungen in V: max.: >4	Eingangsspannungen in V: max.: <30	Eingangsspannungen in V: max.: 30-100	Eingangsspannungen in V: max.: >100	Ausgangsspannungen in V: min.: <0,5	Ausgangsspannungen in V: min.: 0,5-2	Ausgangsspannungen in V: max.: >2	Ausgangsspannungen in V: max.: <20	Ausgangsspannungen in V: max.: 20-60	Ausgangsspannungen in V: max.: >60	eine Ausgangsspannung	mehrere Ausgangsspannungen	Ausgangsspannungen programmierbar	kombinierte DC/DC-Wandler mit LDO-Spannungsregler	Regelalgorithmus: Current Mode	Regelalgorithmus: Voltage Mode	Regelalgorithmus: PFM	Regelalgorithmus: andere	typ. interne Schaltfrequenz in kHz: <50	typ. interne Schaltfrequenz in kHz: 50-200	typ. interne Schaltfrequenz in kHz: >200-1000	typ. interne Schaltfrequenz in kHz: >1000	bleihaltige Versionen weiterhin erhältlich
Analog Devices, www.analog.com	X				●	●		●			●			●		●		●		●		●	●				●		●						●						●						●	
Adkom Elektronik, www.adkom.de (Minilogic Device)		X																●	●	●									●			●					●					●						
Arrow Electronics, www.arrowce.com (Analog Devices, Atmel, Freescale, Fairchild, Infineon, Linear Technology, Micron, Microsemi, National Semiconductor, NXP, On Semiconductor, STMicroelectronics, Texas Instruments, Vishay)		X	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
austriamicrosystems, www.austriamicrosystems.com	X		●	●	●	●	●	●	●	●	●	●	●	●	●	●		●			●	●	●	●	●	●			●		●		●				●	●	●	●	●	●	●		●	●	●	●
Avnet Memec, www.avnet-memec.eu (Intersil, Maxim, Semtech)		X	●	●	●		●	●		●	●	●	●	●				●			●	●	●	●	●	●					●	●				●	●	●	●	●	●			●	●	●
BTI Technology & Innovation, www.bticcs.com	X		●				●	●							●																																
Bürklin, www.buerklin.com		X	●	●	●	●	●	●	●	●	●	●	●	●				●	●	●	●	●	●	●	●	●										●	●	●	●	●	●	●			●	●
Channel Microelectronic, www.channel-microelectronic.de (Elmos)		X	●	●												●		●	●	●	●	●	●	●	●	●		●		●	●			●			●		●		●	●	●	●	●		●	●	
Codico, www.codico.com (MPS, Power Integrations, Torex)		X	●	●	●	●				●	●							●	●	●	●	●	●	●	●	●					●	●				●	●	●	●	●	●	●					
Conrad Electronic, www.conrad.biz (Linear Technology, Analog Devices, NSC, STMicroelectronics)		X	●	●	●		●	●		●		●	●					●	●	●	●		●	●				●	●		●	●		●	●	●	●	●		●	●	●	●			●	●		
Creative Chips, www.creativechips.com	X		●	●	●		●		●	●		●	●		●	●				●		●	●	●			●				●	●				●		●					●		●				
Digital Electronic Siegfried Lehrer, www.digitallehrer.de		X	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●																														
Diodes Zetex, www.diodes.com	X		●	●	●	●	●	●	●	●	●	●																																				
Distrelec Schuricht, www.distrelec.de (National Semiconductor, Maxim, Linear Technology, Torex, Power Integrations, STMicroelectronics)		X	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
ED-V, www.ed-v.de (Powervation, iWatt)		X																●			●	●	●							●					●					●						●			
Elmos Semiconductor, www.elmos.de	X		●	●	●		●	●	●		●	●						●		●	●	●	●	●	●	●		●	●	●	●	●		●	●	●	●	●		●	●	●		●	●	●	●	
Endrich Bauelemente, www.endrich.com (NJRC, MPS)		X	●	●	●	●	●	●		●	●	●			●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Fairchild Semiconductor, www.fairchildsemi.com	X																	●	●	●	●	●	●	●	●				●	●			●	●	●	●							●	●	●		●		●
Farnell, www.farnell.de (Benchmarq, Elantec, Fairchild, International Rectifier, Intersil, Linear Technology, Maxim-Dallas, Micrel, Microchip Technology, National Semiconductor)		X	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Freescale Semiconductor, www.freescale.com	X				●							●						●		●	●		●					●		●				●		●				●				●	●					
Future Electronics, www.futureelectronics.com (Exar, Fairchild, Freescale, International Rectifier, Micrel, Microchip Technology, National Semiconductor, NXP, On Semiconductor, Rohm, Vishay)		X	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Hiro Innovation+Projektdesign, www.hiro-innovation.de	X		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Hy-Line Power Components, www.hy-line.de/power (Apec, AIC, Microchip Technology, iWatt)		X	●	●	●	●	●	●	●	●	●	●	●	●		●		●	●	●	●	●	●	●	●	●	●				●	●				●		●	●	●	●	●	●	●	●	●	●	●	●
iC-Haus, www.ichaus.com	X																	●			●	●		●				●	●				●		●		●			●		●				●			●
Ineltro Halmer Electronics, www.ineltro.at (Microchip Technology, Power Integrations, STMicroelectronics)		X	●	●	●		●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

Batterielade- und Schalt-regler-ICs

Anbieter (Vertragshersteller)	der Anbieter ist: Hersteller	der Anbieter ist: Distributor	Batterielade-ICs: Art der Ladung: Konstantstrom-Ladung	Konstantspannungs-Ladung	Kombination aus Konstantstrom- und Konstantspannungs-Ladung	für eine Akkutechnik	für mehrere Akkutechniken	Schnellader (bis 1 Stunde)	Low-Current-Lader (8 bis 15 Stunden)	Batterielade-ICs: Abschaltkriterien: Zeit	Temperatur	Spannung (-Delta U)	Spannungsgradienterkennung	gemäß CCS-Ladeverfahren	sonstige	bleihaltige Versionen weiterhin erhältlich	Schaltregler-ICs: SMD-Versionen	bedrahtete Versionen	Peak-Strom in A: ≤0,5	≤1	≤4	Transistoransteuerung: integrierter Schalter	externer Schalter	synchrone Ansteuerung	nichtsynchrone Ansteuerung (Schottky-Diode)	Eingangsspannungen in V: min.: <2	2-4	>4	max.: <30	30-100	>100	Ausgangsspannungen in V: min.: <0,5	0,5-2	>2	max.: <20	20-60	>60	eine Ausgangsspannung	mehrere Ausgangsspannungen	Ausgangsspannungen programmierbar	kombinierte DC/DC-Wandler mit LDO-Spannungsregler	Regelalgorithmus: Current Mode	Voltage Mode	PFM	andere	typ. interne Schaltfrequenz in kHz: <50	50-200	>200-1000	>1000	bleihaltige Versionen weiterhin erhältlich
Infineon Technologies, www.infineon.com	X																●	●	●	●	●	●	●	●	●			●	●	●		●	●	●		●	●	●	●	●		●	●	●	●		●	●		●
Kamaka Electronic, www.kamaka.de (Calex Power, CDIL Semiconductor, International Rectifier, Power Plaza)		X															●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●		●				●	●				●	●		●
Linear Technology, www.linear.com	X		●	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●				●	●				●		●	●		●	●	●	●	●	●	●	●	●	●
materialboerse.de, www.materialboerse.de		X	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Matronic, www.matronic.com (Allegro MicroSystems)		X															●		●	●	●	●	●				●		●				●	●		●	●	●		●			●	●	●		●	●	●	●	
MEV Elektronik Service, www.mev-elektronik.com (New Japan Radio, Elmos Semiconductor, Summit Microelectronics, Microsemi, Power Integrations, Exar)		X	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●					●	●	●				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
mewa electronic, www.mewa-electronic.de		X	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Micronetics, www.micronetics.de (Diodes)		X			●		●	●	●			●			●		●			●	●	●		●		●			●					●	●			●												
Mütron Müller, www.muetron.de (Freescale, On Semiconductor, Vishay)		X			●	●		●		●	●						●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●	
municom, www.municom.de (Bel Power)		X															●	●								●			●			●			●		●		●				●							
National Semiconductor, www.national.com	X		●	●	●	●	●	●		●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●		●		●		●			●		●	●	●	●	●	●	●	●	●	●	●		
Prema Semiconductor, www.prema.com	X																●			●	●	●				●			●					●		●					●				●			●		
Protec, www.protec-semi.de (Microsemi, Intersil, Semelab, Aeroflex)		X															●	●	●	●	●						●	●	●				●					●	●	●	●	●			●	●			●
RS Components, www.rsonline.de		X	●	●	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●					●	●	●	●	●		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●
Rutronik, www.rutronik.com (STMicroelectronics, Intersil, Microchip Technology, Diodes Zetex, Infineon, Rohm, NJRC)		X	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Scantec, www.scantec.de (Intersil, Ricoh)		X			●		●	●		●	●	●	●	●	●		●		●	●	●	●	●	●	●	●	●	●	●	●		●	●	●		●	●	●	●	●		●	●	●	●		●	●	
Schukat electronic, www.schukat.com (Microchip Technology, Taiwan Semiconductor)		X	●	●		●	●			●	●	●				●	●	●	●	●	●	●	●	●	●		●	●	●			●	●	●	●		●		●			●	●		●	●	●	
SE Spezial-Electronic, www.spezial.com (Rohm, SI-EN, Union)		X	●	●	●	●			●							●	●		●	●	●	●	●	●	●	●	●	●	●					●	●		●	●	●	●	●			●	●	●	●	
Seiko Instruments, www.seiko-instruments.de	X																●		●		●	●	●	●	●			●				●			●		●	●					●	●	●	●	●	●	●
Semitron W. Röck, www.semitron.de (Analog Devices, Microchip Technology, Seiko, Toshiba)		X	●	●	●	●	●	●	●	●	●	●	●	●		●	●		●	●	●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●
Semtech, www.semtech.com	X		●	●	●	●		●	●	●	●	●			●		●		●	●		●				●	●	●	●			●	●	●			●		●			●	●			●	●	●	
setron, www.setron.de (Linear Technology, AOS, Taiwan Semiconductor)		X	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Sinus Electronic, www.sinus-electronic.de (Semtech)		X		●	●	●			●	●	●	●	●				●			●	●		●	●	●	●			●			●			●		●			●	●	●			●		●	●	
SSG, www.ssg-de.com	X																●	●	●	●	●	●	●	●	●			●	●	●		●	●	●	●	●	●	●	●	●		●			●	●	●	●	
STMicroelectronics, www.st.com	X		●	●	●		●	●	●	●	●	●	●		●		●	●	●	●	●	●	●	●	●	●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Taiwan Semiconductor, www.taiwansemi.com	X																●	●	●	●	●	●				●	●	●	●	●			●	●	●	●		●		●	●	●			●	●	●	●	
Topas electronic, www.topas.de (Akros Silicon, Intersil, Ricoh)		X			●	●	●	●		●	●	●			●		●	●	●	●	●	●	●	●		●	●		●	●		●	●		●	●	●	●	●	●	●	●	●		●	●	●	
Trenew Electronic, www.trenew.eu (Power-One)		X	●	●	●	●	●	●	●	●	●	●	●	●	●	●																																	
two4tronic, www.two4tronic.com		X	●	●	●		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●		●	●	●	●		●	●	●	●	●	●
weisbauer elektronik, www.weisbauer.de (Microchip Technology, Rohm, Diodes Zetex)		X	●	●	●	●	●	●	●	●	●	●	●		●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●