

TABLETS/SMART PHONES | BATTERY MANAGEMENT

Single-Cell NVDC Switching Chargers

Part Number	VIN (Min) (V)	VIN (Max) (V)	Charge Current Max (A)	Discharge Current (A)	Output Current Boost Mode (A)	FSW (kHz)	Battery Charge Voltage (V)	Battery Type	Package	Notes
MP2617H	4	14	3	5		1600	4.2	Li-Ion Li-Polymer	QFN20 (3x4)	Power-Path Management
MP2617A	4	10	3	3		1600	4.35	Li-Ion Li-Polymer	QFN20 (3x4)	Power-Path Management
MP2617B	4	10	3	5		1600	4.2	Li-Ion Li-Polymer	QFN20 (3x4)	Power-Path Management
MP2625B	4	10	2	5		1600	4.2	Li-Ion Li-Polymer	QFN20 (3x4)	Power-Path Management
MP2624	3.9	12	4.5	11	1.3	1700	3.48-4.425	Li-Ion Li-Polymer / LiFePO4	QFN22 (3x4)	Power-Path Management, Boost OTG, Shipping Mode
MP2624A	3.9	12	4.5	11	1.3	1700	3.48-4.425	Li-Ion Li-Polymer / LiFePO4	QFN22 (3x4)	Power-Path Management, Boost OTG, Reset Mode
MP2626	4.5	6	2		1.5	1200/600	4.2/4.35	Li-Ion Li-Polymer	QFN24 (4x4)	Power-Path Management, Boost OTG

CRADLE CHARGERS

Part Number	VIN (Min) (V)	VIN (Max) (V)	Charge Current Max (A)	Discharge Current (A)	Output Current Boost Mode (A)	Charge Status	Charge Type	Battery Charge Voltage (V)	Package	Notes
MP26085	7	20	20				CV/CC Controller	Prog.	SOT23-8	CC/CV Controller with 1.223V Voltage Reference
MP26075	2.2	28	1	1	✓	✓	CV/CC Linear	4.2V	QFN10 (3x3)	Pre-Charge Function, Thermal Foldback, Voltage Control Function for Flyback Controller
MP2681	4.5	30	3-5	4			CV/CC Controller	4.15V	SOIC16	Full Protection and Indication, One Chip Solution for Power Tool Applications
MP2681B	5	30	3-5	Up to 4	✓	✓	CV/CC Controller		SOIC16	Full Protection and Indication, One Chip Solution for Power Tool Applications

LINEAR CHARGERS | BATTERY MANAGEMENT

Single-Cell CV/CC Linear Chargers

	Part Number	VIN (Min) (V)	VIN (Max) (V)	ICHARGE (A)	Trickle Charge	Charge Status	Package	Notes
New	MP2660	4.5	5	0.50	✓	✓	CSP(6)	Li-Ion Charger with I ² C Control Interface
	MP2607	4.5	12	Up to 1.5	✓	✓	QFN14 (3x4)	Li-Ion Charger with System Power-Path Management
	MP26028	3.5	20	Up to 1	✓	✓	QFN10 (3x3)	Includes Battery Temp Monitor, Trickle Charge
	MP26060	3.5	24	Up to 1	✓	✓	QFN10 (3x3)	4.15V Output Safe Charge
	MP2603	4.75	25	Up to 0.15	✓	✓	TSOT23-5	Simple System Charger, 50mA to 150mA Programmable Charger, No NTC
	MP2631	3	28	Up to 1	✓	✓	QFN10 (3x3)	Li-Ion Charger with 10mA High-Voltage LDO
	MP2608	3.5	28	Up to 1	✓	✓	QFN10 (3x3)	Dual Input USB & AC Adapter
	MP2604	3.5	28	Up to 1		✓	QFN10 (3x3)	Includes NTC, Battery Temp Monitor
	MP2602	3.5	28	Up to 1	✓	✓	QFN10 (3x3)	Includes NTC, Battery Temp Monitor, Trickle Charge
	MP2606	3.5	28	Up to 1		✓	QFN10 (3x3)	Wide IBF Hysteresis, NTC
	MP26056	3.5	28	Up to 1	✓	✓	QFN10 (3x3)	Dual-Mode USB & AC Adapter
	MP2605	3.5	28	Up to 1	✓	✓	QFN10 (3x3)	Auto-Charge Term & Recharge, Timer
	MP26053	3.5	28	Up to 1	✓	✓	QFN10 (3x3)	Ichg=10% of Iset, Auto-Charge Term & Recharge, Timer
	MP26058	3.5	28	Up to 1		✓	QFN10 (3x3)	Includes LDO Mode & Timer
	MP26057	3.5	28	Up to 1	✓	✓	QFN10 (3x3)	Travel Charger
New	MPQ5480	3.6	28	0.30	✓	✓	WLCSP16 (1.7x1.7)	Integrated Charger with 5V/100mA DC/DC, Synchronous Regulator
	MP26121	3.5	28	Up to 1	✓	✓	QFN10 (3x3)	Li-Ion Charger with 10% Battery Full Threshold, Flexible NTC Interface

GENERAL PURPOSE | BATTERY MANAGEMENT

Switching Chargers

Part Number	VIN (Min) (V)	VIN (Max) (V)	Charge Current (Max) (A)	FSW (kHz)	# of Cells	Battery Charge Voltage (V)	Battery Type	Package	Notes
MP2612	9	24	2	600	2-3	4.2	Li-Ion Li-Polymer	QFN16 (4x4)	Non-Synchronous
MP2610	5	24	2	1100	1-2	4.2	Li-Ion Li-Polymer	QFN16 (4x4)	Non-Synchronous
MP26101	5	24	2	1100	1-2	4.1	Li-Ion Li-Polymer	QFN16 (4x4)	Non-Synchronous
MP26123	9	24	2	600	2-3	4.2	Li-Ion Li-Polymer	QFN16 (4x4)	Non-Synchronous
MP2619	5.5	24	2	600	2-3	4.2	Li-Ion Li-Polymer	QFN28 (4x5)	Non Synchronous, Power Path Management
MP2623	5	24	2	1100	1-2	3.6	LiFePO4	QFN16 (4x4)	Non-Synchronous
MP2615	4.5	18	2	600	1-2	4.1/4.2	Li-Ion Li-Polymer	QFN16 (3x3)	Synchronous
MP2615A	4.5	18	2	600	1-2	4.2/4.35	Li-Ion Li-Polymer	QFN16 (3x3)	Synchronous
MP2615B	4.5	18	2	600	1	3.99/4.03	Li-Ion Li-Polymer	QFN16 (3x3)	Synchronous
MP2611	4.5	6	2	1500	1	4.2	Li-Ion Li-Polymer	QFN14 (3x4)	For USB and Adapter Power

POWER BANK MANAGEMENT | BATTERY MANAGEMENT

Single-Cell Switching Chargers

	Part Number	VIN (Min) (V)	VIN (Max) (V)	Charge Current (Max) (A)	Output Current Boost Mode (A)	FSW (kHz)	Battery Charge Voltage (V)	Battery Type	Package	Notes
	MP2633	4.5	6	1.5	1.5	1200/600	4.2/3.6	Li-Ion Li-Polymer / LiFePO4	QFN24 (4x4)	Power-Path Management and 1A Boost OTG
	MP2635	4.5	6	2	1.5	1200/600	4.2/3.6	Li-Ion Li-Polymer / LiFePO4	QFN24 (4x4)	Power-Path Management and 1A Boost OTG
	MP2635B	4.5	6	2	1.5	1200/600	4.2/4.35	Li-Ion Li-Polymer	QFN24 (4x4)	Power-Path Management and 1A Boost OTG
	MP2636	4.5	6	3	3	600	4.2/4.3/4.35	Li-Ion Li-Polymer	QFN30 (4x4)	Power-Path Management and 3A Boost OTG
New	MP2632	4.65	6	3	3	600	4.2/4.35/4.45	Li-Ion Li-Polymer	QFN26 (4x4)	All-in-One 3A Battery Charger with 3A Boost Current
New	MP2690	4.65	6	2.5	2.1	600	4.2/4.35/4.45	Li-Ion Li-Polymer	QFN26 (4x4)	All-in-One 2.5A Battery Charger with 2.1A Boost Current
	MP2637	4.5	6	2.5	2.4	600	4.2/4.35	Li-Ion Li-Polymer	QFN24 (4x4)	Power-Path Management and 2.4A System Boost Current

PROTECTION

Single-Cell

	Part Number	VIN (Min) (V)	VIN (Max) (V)	Charge Type	Package	Notes
	MP2671	2.6	30	Battery Protect	QFN12 (3x4)	Li-Ion Battery Charger, Protection Circuit
	MP2670	4.3	30	Battery Protect	QFN10 (3x3)	Li-Ion Battery Charger, Protection Circuit
	MP2674	4.3	30	Battery Protect	QFN8 (2x2)	Li-Ion Charger, Protection Circuit, Tolerates Input Surge up to 30V, Small Pkg