

Common Examples and Specifications



Modules

	Single	Single	Dual	Triple
Outputs	1	1	2	3
Max output power	210 W	360 W	600 W	144 W
Max output current	35 A	60 A	120 A	10 A
Volts	2-60 V	2-60 V	2-60 V	2-28 V
Standard voltage increments	25	25	25	19
Remote sense on outputs	Yes	Yes	Yes	Yes, both
Remote margin/V-Program	Yes	Yes	Yes	No
Module inhibit (isolated)	Yes	Yes	Yes	---
Single wire active current share	Yes	Yes	Yes	Yes, main only
Over voltage / Over current protection	Yes	Yes	Yes	Yes
Minimum load required	No	No	No	Yes (10%), main only
Slots occupied in any MP case	1	2	3	1

Modules

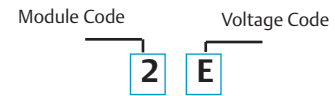
Voltage	Voltage Code	Single Output Module Code			Dual Output ¹		Triple Output ¹		
		1 ¹	2 ²	3 ³	V1	V2	V1	V2	V3
2 V	A	35A	60 A	120 A	—	10 A	—	—	2 A
2.2 V	B	35 A	60 A	120 A	—	10 A	—	—	2 A
3 V	C	35A	60 A	120 A	—	10 A	—	—	2 A
3.3 V	D	35 A	60 A	120 A	—	10 A	—	—	2 A
5 V	E	35A	60 A	120 A	10 A	10 A	—	—	2 A
5.2 V	F	35 A	60 A	115 A	—	10 A	—	—	2 A
5.5 V	G	34 A	58 A	109 A	—	10 A	—	—	2 A
6.0 V	H	23 A	42 A	78 A	—	10 A	—	—	2 A
8.0 V	I	20 A	36 A	68 A	—	—	1 A	1 A	1 A
10 V	J	18 A	32 A	60 A	—	—	1 A	1 A	1 A
11 V	K	17 A	31 A	54.5 A	—	—	1 A	1 A	1 A
12 V	L	17 A	30 A	50 A	10 A	4 A	1 A	1 A	1 A
14 V	M	14 A	21 A	40.5 A	9 A	4 A	1 A	1 A	1 A
15 V	N	14 A	20 A	39 A	8 A	4 A	1 A	1 A	1 A
18 V	O	11 A	19 A	33.3 A	—	—	—	0.5 A	0.5 A
20 V	P	10.5 A	18 A	30 A	—	—	—	0.5 A	0.5 A
24 V	Q	8.5 A	15 A	23.5 A	4 A	2 A	—	0.5 A	0.5 A
28 V	R	6.7 A	12.8 A	21.4 A	3 A	2 A	—	0.5 A	0.5 A
30 V	S	6.5 A	12 A	20 A	—	—	—	—	—
33 V	T	6.2 A	10.9 A	18.2 A	—	—	—	—	—
36 V	U	5.8 A	10 A	16.6 A	—	—	—	—	—
42 V	V	4.2 A	7.5 A	12.5 A	—	—	—	—	—
48 V	W	4.0 A	7.5 A	12.5 A	—	—	—	—	—
54 V	X	3.7 A	6.0 A	11 A	—	—	—	—	—
60 V	Y	3.5 A	6.0 A	10 A	—	—	—	—	—
Non-std	Z								
2.4V-2.7V		35	60	120	—	10	—	—	2
3.6V-4.5V		35	60	120	—	10	—	—	2
6.6V-9.2V		20	36	68	10	4	—	—	1
8.8V-9.0V		18	32	60	10	4	—	—	1

Notes:

- 1 Takes up one slot.
- 2 Takes up two slots.
- 3 Takes up three slots.

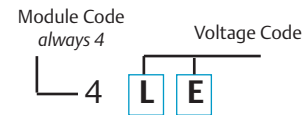
Single Output Example

5 V @ 60 A



Dual Output Example¹

12 V @ 10 A
5 V @ 10 A



Triple Output Example³

12 V @ 1 A
20 V @ 0.5 A
5 V @ 2 A



Notes:

1. Total load not to exceed 144 W.
2. No module code required.
3. Total load not to exceed 36 W.

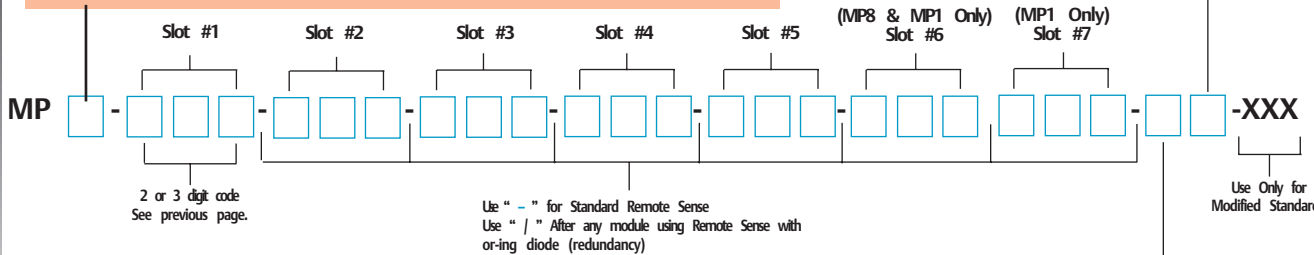


Ordering Information

INPUT			
Case Size (Inches)	Slots	85-264 VAC	180-264 VAC
4 = 2.5 x 5 x 10	5 available slots	400 W max.	600 W max.
6 = 2.5 x 5 x 11	5 available slots	600 W max.	800 W max.
8 = 2.5 x 7 x 10	6 available slots	800 W max.	1000 W max.
1 = 2.5 x 8 x 11	7 available slots	1000 W max.*	1200 W max.

*1200 W modification available at high line operation

Option Code:
0 = no options
1 = rear air exhaust
3 = global enable
5 = option package (options 1 & 3)
M = low leakage
N = low leakage plus option 1
P = low leakage plus option 3
R = low leakage plus option 5



- Notes:
- Omit digits that do not apply.
 - Specify modules from lowest number of outputs to highest. (Single/Dual/Triple)
 - If number of outputs are equal, specify modules from highest to lowest power increments. If power increments are equal, specify in descending alphabetical order (1A, B, C...).
 - Always start with Slot 1.
 - All MP model configurations created using this selection guide are standard MP products with standard availability and lead times.
 - Optional VME/DCOK module must always be located in the last slot. Module designator is "VME".

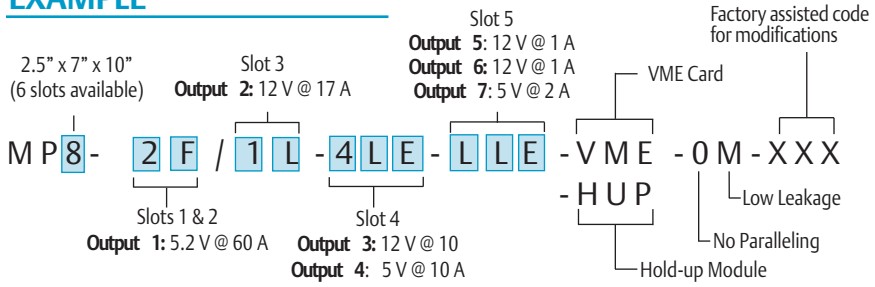
Parallel Code:

MP4 & MP6 available slots	Slot 6	Slot 5	Slot 4	Slot 3	Slot 2	Slot 1	
MP8 available slots	Slot 6	Slot 5	Slot 4	Slot 3	Slot 2	Slot 1	
MP1 available slots	Slot 7	Slot 6	Slot 5	Slot 4	Slot 3	Slot 2	Slot 1

Standard Parallel Codes*

Code	7	6	5	4	3	2	1
0 = no parallel	○	○	○	○	○	○	○
1 = 1 & 2	○	○	○	○	○	○	○
2 = 2 & 3	○	○	○	○	○	○	○
3 = 3 & 4	○	○	○	○	○	○	○
4 = 4 & 5	○	○	○	○	○	○	○
5 = 3 & 4 & 5	○	○	○	○	○	○	○
6 = 5 & 6	○	○	○	○	○	○	○
7 = 4, 5 & 6	○	○	○	○	○	○	○
8 = 6 & 7	○	○	○	○	○	○	○
9 = 3 & 4, 6 & 7	○	○	○	○	○	○	○

EXAMPLE



SINGLE OUTPUTS

Total Power	Output (Volts/Amps)	Size (inches)	Model Number
360 W	2 / 180	2.5 x 5 x 10	MP4-3A-2A-30
400 W	5 / 80	2.5 x 5 x 10	MP4-3E-00 - 429
600 W	2 / 275	2.5 x 8 x 11	MP6-3A-3A-1A-90
600 W	5 / 120	2.5 x 5 x 11	MP6-3E-00
600 W	48 / 12.5	2.5 x 5 x 11	MP6-3W-00
800 W	5 / 160	2.5 x 7 x 10	MP8-3E-2E-30 - 415
800 W	48 / 16.6	2.5 x 7 x 10	MP8-3W-1W-30
1000 W	5 / 200	2.5 x 8 x 11	MP1-3E-3E-30 - 404

MULTIPLE OUTPUTS

Total Power	Output 1 (Volts/Amps)	Output 2	Output 3	Output 4	Output 5	Output 6	Size (inches)	Model Number
400 W	5 / 60	3.3 / 35	12 / 1	12 / 1	12 / 1	—	2.5 x 5 x 10	MP4-2E-1D-LLL-00
400 W	24 / 15	12 / 17	5 / 35	—	—	—	2.5 x 5 x 10	MP4-2Q-1L-1E-00
400 W	5 / 60	12 / 17	12 / 10	5 / 10	—	—	2.5 x 5 x 10	MP4-2E-1L-4LE-00
400 W	5 / 35	12 / 10	3.3 / 10	12 / 1	12 / 1	5 / 2	2.5 x 5 x 10	MP4-1E-4LD-LLE-00
600 W	3 / 60	5 / 60	12 / 10	12 / 4	—	—	2.5 x 5 x 11	MP6-2C-2E-4LL-00
600 W	5 / 120	12 / 17	12 / 10	5 / 10	—	—	2.5 x 5 x 11	MP6-3E-1L-4LE-00
600 W	12 / 30	5 / 35	—	—	—	—	2.5 x 5 x 11	MP6-2L-1E-00
800 W	36 / 16.6	24 / 4	5 / 10	12 / 10	12 / 4	—	2.5 x 7 x 10	MP8-3U-4QE-4LL-00
800 W	5 / 120	3.3 / 35	12 / 17	12 / 10	12 / 4	—	2.5 x 7 x 10	MP8-3E-1D-1L-4LL-00
800 W	15 / 20	5 / 35	15 / 14	24 / 8.5	15 / 8	5 / 10	2.5 x 7 x 10	MP8-2N-1E-1N-1Q-4NE-00
800 W	2 / 180	5 / 60	—	—	—	—	2.5 x 7 x 10	MP8-3A-2A-2E-30
1000 W	3.3 / 120	5 / 120	—	—	—	—	2.5 x 8 x 11	MP1-3D-3E-00

*For custom parallel configurations contact Astec Power Technical Support.