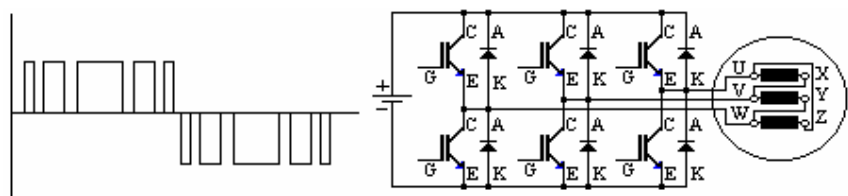


SPWM (Sinusoidal Pulse Width Modulation)



- SPWM

:

•
- SPWM

(1)

(2)

(3)
- ◀

1	-	
1	-	
1	0-120V(DC)/3A	
1	12V (DC)±	
1	DC/AC SPWM	
1	Driver & Opto Isolator	
1	10K	
6	XGP10N80A	IGBT
6	BYT12-1000	
3	220V/100W	
1	-	
1	-	AC
2	5W1Ω	
1	3A	

(1-15)

SPWM

Opto Isolator & Driver SPWM Generator

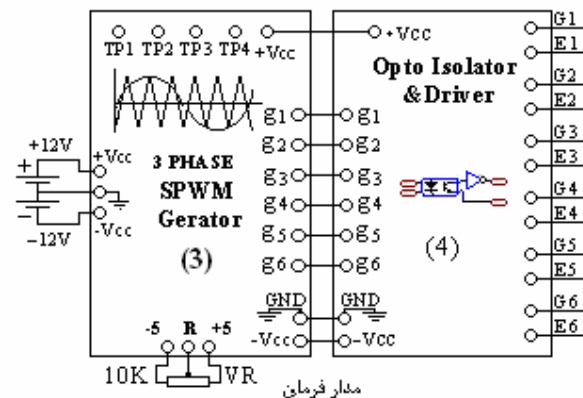
(1-15)

Dip switch

SPWM

(00)

SPWM



OPto isolator

(1-15)

:

Test Point

SPWM Generator

(

((GND))

(10K) VR

TP2 TP1)

TP

(

(10K)

(TP4 TP1 TP3 TP1

:

TP2 TP1

(1

:

:

TP3 TP1 (2

:

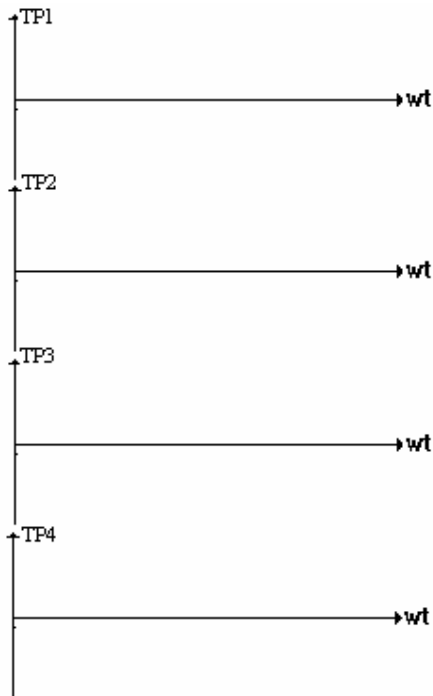
TP4 TP1 (3

:

TP3 TP1 (

TP4 TP1 . 50HZ

()



(g6 g1) SPWM Generator (

() (1

TP4 TP1

:

TP4 TP1

(2

:

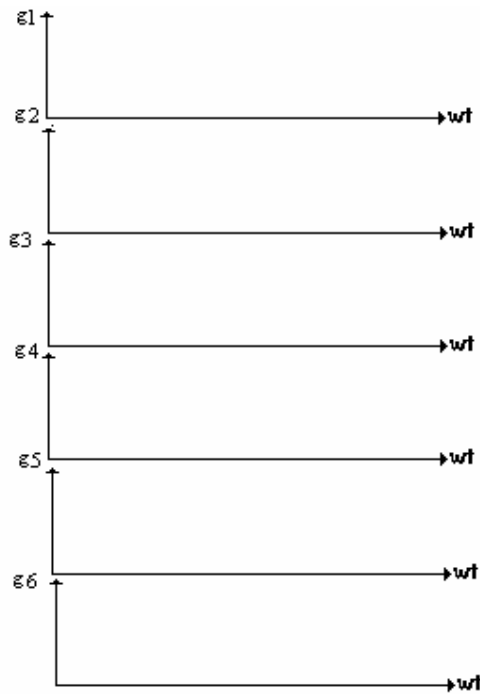
SPWM Generator

(

16ms

VR

(GND)



SPWM

(1-15)

(

Opto Isolate & Driver

(g6 g1

) Generator

)

(E6

) G6

(E1

) G1

(

Opto Isolate & Drive

(2-15)

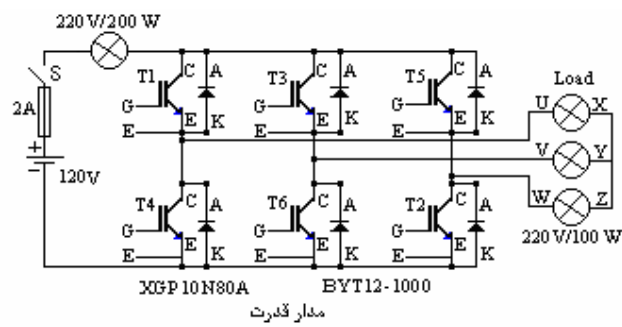
SPWM

AC DC

(2-15)

S

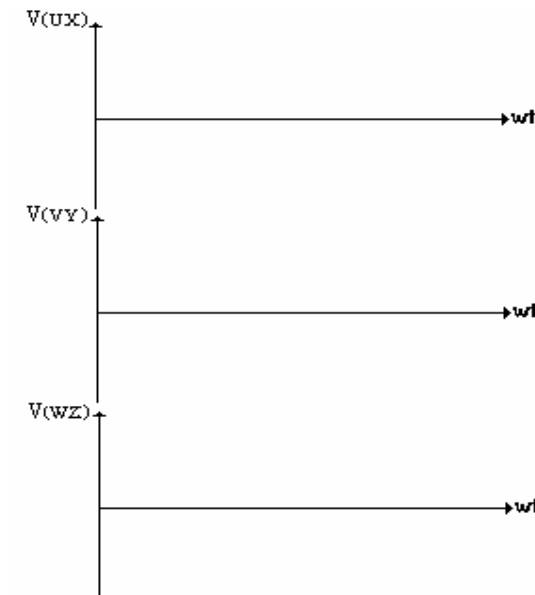
200W



(2-15)

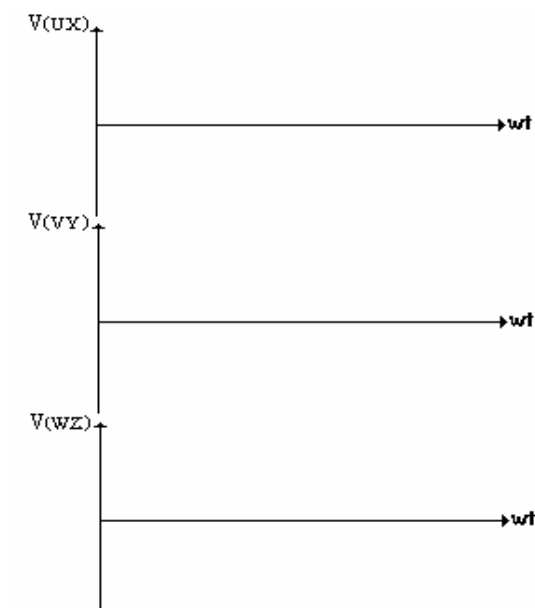
60HZ

(



(

60HZ

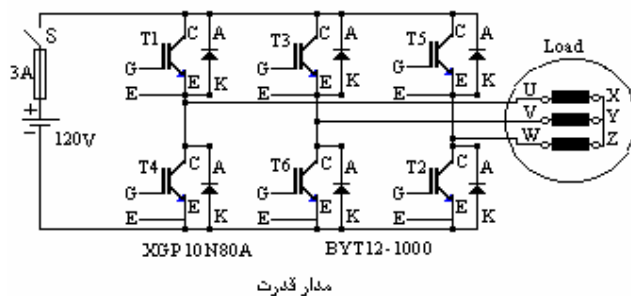


(3-15)

SPWM

()

(3-15)



(3-15)

63

) (01) SPWM Dip switch ((S) .(

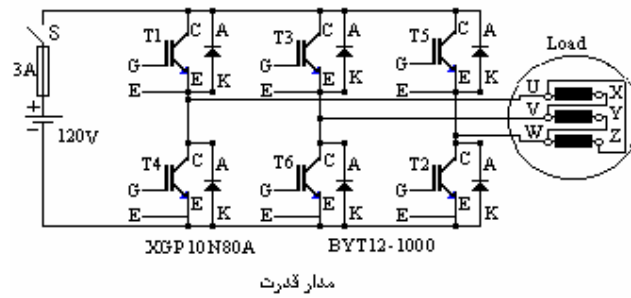
VR

(1

(2

((4-15)) ()

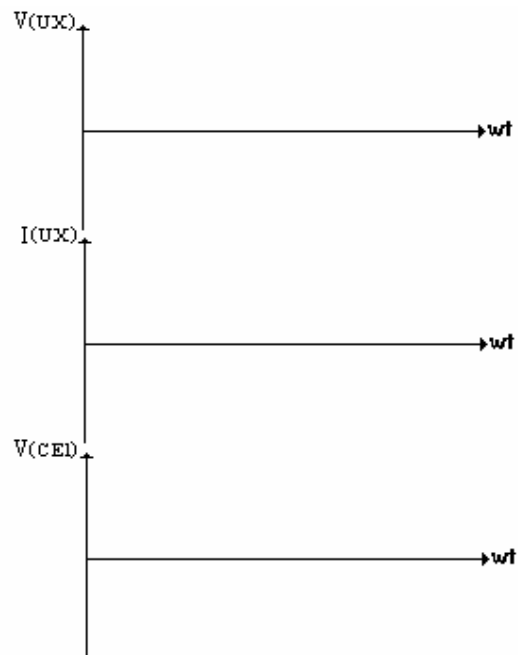
80V 120V



(4-15)

60HZ (U-X)

(C E)



:(1) †

PWM AC

:(2) †

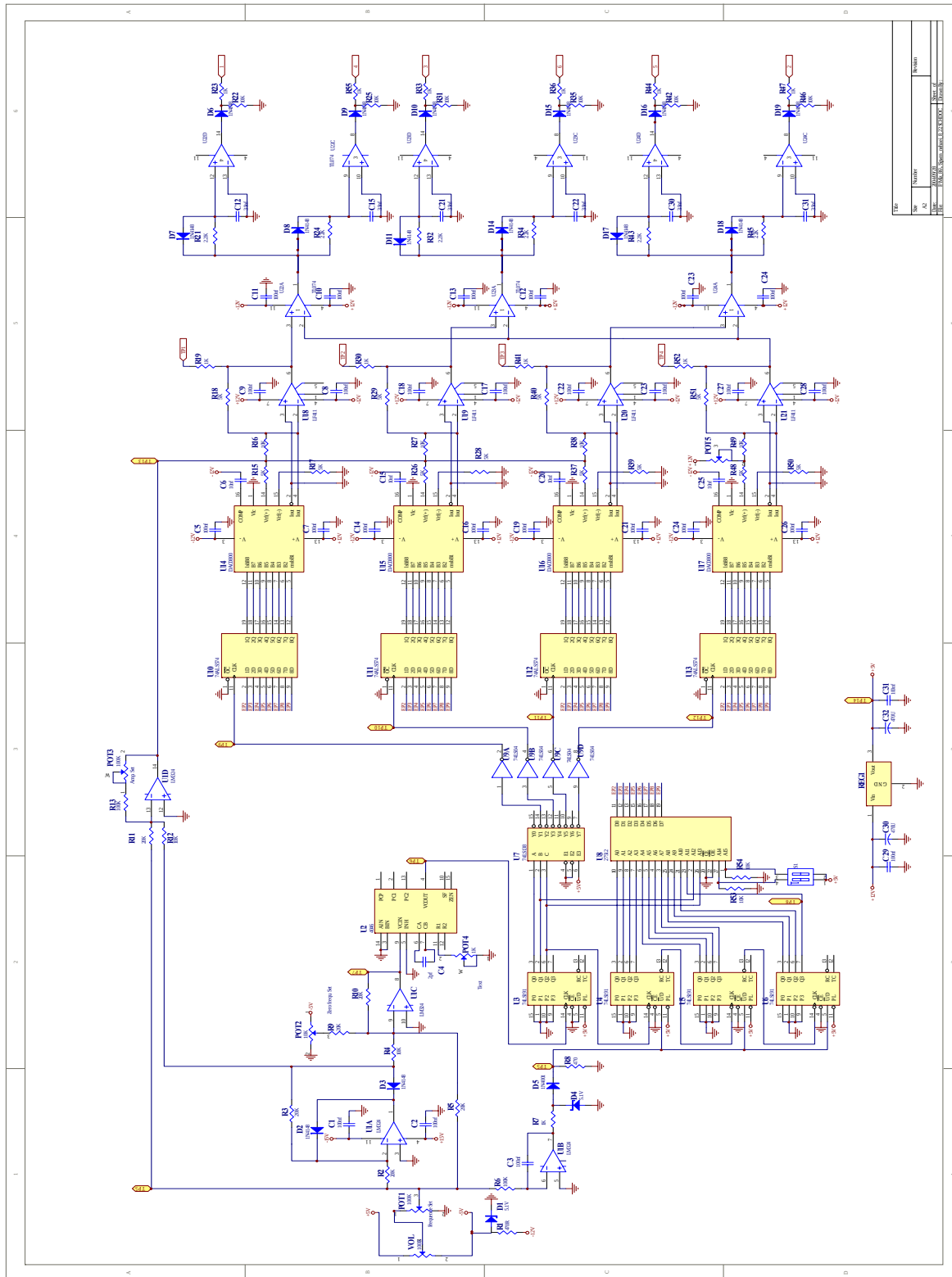
SPWM AC

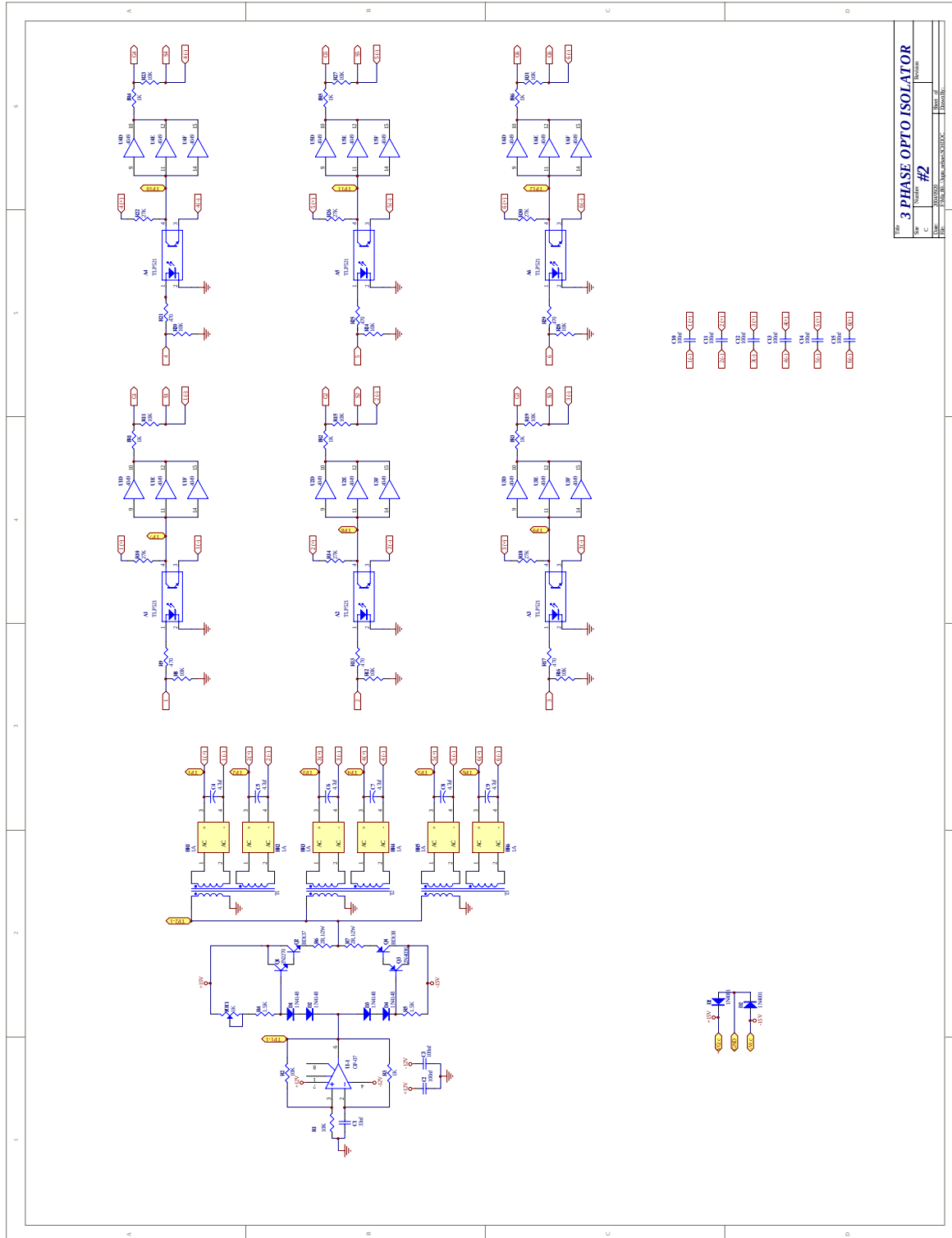
PWM

:(3) †

MATLAB

100%





(2 -15)