VIR-ELECTRIC
APS IR

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,   APS
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2. _____.

2.1. _____

VIR-ELECTRIC   APS   ,

98%.

/   .

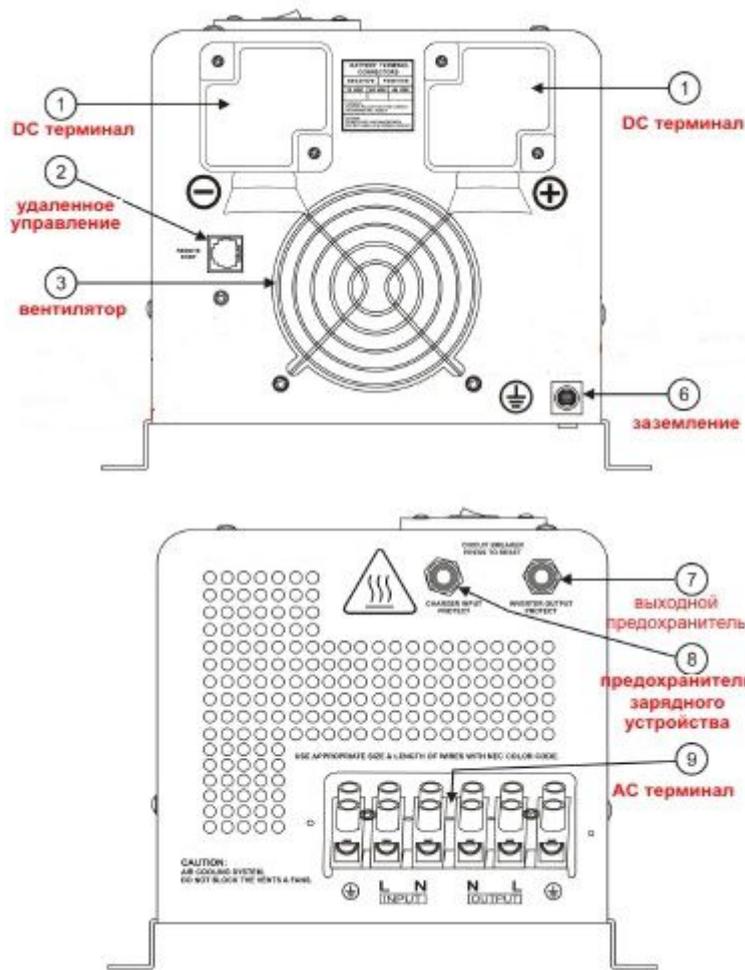VIR-ELECTRIC   APS   ,

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VIR-ELECTRIC   APS   35
(70).
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DIP   .

300%,

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,   VIR-ELECTRIC   APS

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220   .

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2.2. _____.

DC терминал ① → ① DC терминал

② удаленное управление

③ вентилятор

⑥ заземление

⑦ выходной предохранитель

⑧ предохранитель зарядного устройства

⑨ AC терминал

2.4. _____ VIR-ELECTRIC APS

- _____.
- _____ 300% _____.
- _____,
  _____, _____.
- 4- _____.
- 8 _____ + _____ - _____.
- _____ 35 _____
- 10 _____.
- _____ (____).

- 15s .
- - .
- ,
  .
- .

APS IR	1012E	1024E	1512E	2012E	2024E	2524E	3024E	4048E	5048E	6048E
(SMPS load)										
	( )									
	230									
	155 ± 2%									
	164 ± 2%									
	272 ± 2%									
	127Vac± 4% / 265Vac± 2%									
.	270									
.	50									
	58+0.3Hz for 60Hz;48+0.3Hz for 50Hz;									
	57+0.3Hz for 60Hz;47+0.3Hz for 50Hz;									
	64+0.3Hz for 60Hz;54+0.3Hz for 50Hz;									
	65+0.3Hz for 60Hz;55+0.3Hz for 50Hz;									
(SMPSload)										
	>95%									
	30A									
(-)	10									
(-)	10									
(pass Through)										
. (Bypass)	30A						30A			
( )	1000	1500	1500	2000	2500	3000	4000	5000	6000	
( )	1000	1500	1500	2000	2500	3000	4000	5000	6000	
	0~1.0									
( )	230									
( )	50 ± 0.3									
( )	( )50 @48-54									
	± 10% rms									
	>80%									
(SMPS load)	(110%< .<125%) ± 10%: ( ) 15 ;(125%< .<150%) ± 10%: ( ) 60 ; >150% ± 10%: ( ) 20 ;									

(10)	3000	6000	7500	9000	12000	15000	18000
.	1 . /0,73	1 . ./0,73	1.5 . ,/1,1	2 . ./1,47		3 . ./2,21	
	(10)						
	10A		30A				
	12	24	12	24	24	48	48
.	10 /20 40						
( )	10.5 dc ± 0.3 dc 12 ;21.0 dc ± 0.6 dc 24 ;42.0 dc ± 0.6 dc 48						
( )	10.0 dc ± 0.3 dc 12 ;20.0 dc± 0.6 dc 24 ;40.0 dc± 0.6 dc 48						
. ( )	16 dc ± 0.3 dc 12 ;32 dc ± 0.6 dc 24 ; 64 dc ± 0.6 dc 48						
( )	15.5 dc ± 0.3 dc 12 ;31.0 dc ± 0.6 dc 24 ; 62.0 dc ± 0.6 dc 48						
	25						

	230								
	196~243								
	35A	35A	45A	65A	35A	40A	45A	35A	40A	50A
	± 5 DC								
	0 – 15.7 DC /31.4 /62.8 (0)								
	. 15.7 /31.4 /62.8 0.5 ., 60								

	CE
	FCC
	0° C 40° C
	-15° C + 60° C
	5% - 95%
	60
	1012E/1024E/2012E/2024E/2048E/2524E/3012E/3024E/3048E:461X217X179MM 4048E/5048E//6048E:636X217X179MM

2.5.

2.5.1.   .

VIR-ELECTRIC APS   Off-Line

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APS   ,

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- •   110% - 125% (± 10%),   1   ,   1   15
  1   .   15   .

- •   125% - 150% (± 10%),   0,5
  1   .

- •   150% (± 10%),   0,5   15
  .

2.5.2.

APS   35Amp.
      /   20%
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VIR-ELECTRIC APS
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- •   (1, constant current charge, Boost) ,
  .

  ,
  (Battery type selector).

- •   (2, Absorption charge)

  (Battery type selector),
  .   1   12
  ,   .

- •   (3, Constant voltage, Fload),
  (Battery type
  selector)
  .

- •   (4, Low voltage reset)
  3   10-
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ADJUSTABLE TIME DEPENDING ON BATTERY BANK SIZE

FOR 24 VOLTS
X 2

time x 10, with a minimum 1 hr max 12 hrs

VOLTS

FLOAT 13.5 V

finish time
start time

TIME

FULL CURRENT AVAILABLE ON FLOAT FOR
ON BOARD SUPPLY IN POWER PACK MODE

CHARGER % CURRENT

THE NEW BATTERY CHARGERS AND BOOSTERS OFFER THE FASTEST CHARGE RATE CURRENTLY AVAILABLE
STEP 1 = CONSTANT CURRENT CHARGE   STEP 2 = ABSORPTION CHARGE AT 14.4/14.8 V
STEP 3 = CONSTANT VOLTAGE AT 13.5 VOLTS   STEP 4 = LOW VOLTAGE RESET TO STEP 1

:

Switch setting	Description	Boost			Float		
		Voltage			Voltage		
		12V	24V	48V	12V	24V	48V
0	To be used by factory for set up	-		-	-		-
1	Gel USA	14.0	28.0	56.0	13.7	27.4	54.84
2	AGM 1	14.1	28.2	56.4	13.4	26.8	53.6
3	AGM 2	14.6	29.2	58.4	13.7	27.4	54.8
4	Sealed lead acid	14.4	28.8	57.6	13.6	27.2	54.4
5	Gel EURO	14.4	28.8	57.6	13.8	27.6	55.2
6	Open lead acid	14.8	29.6	58.2	13.3	26.6	53.2
7	Calcuim	15.1	30.2	60.4	13.6	27.2	54.4
8	De sulphation	15.5	31.0	62.0	4 hours then off		
9	Not used	-		-	-		-

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2.5.3.   .

VIR-ELECTRIC   APS :

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2.5.4.

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2.5.5.

VIR-ELECTRIC   APS   :

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  2.5.1

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2.5.6.

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RJ11.

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2.5.7.   LED

VIR-ELECTRIC APS

LED

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- ~220 –
- –   /   DC/AC
- –

- ●   –
- ●   –   ,
- ●   –   ,   ,   ,   .
- ●   -

2.5.8.

- ●   –   5 .
- ●   –   1 .
- ●   –   2.5.1.
- ●   –   1 .

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2.5.9.
VIR-ELECTRIC   APS
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                   1   3   DC
    .   4   6   DC
AC   ,
            .

                        :

Condition	Enter condition	Leave condition	Speed
HEAT SINK TEMPERATURE	T ≤ 60℃	T > 65℃	OFF
	65℃ ≤ T < 85℃	T ≤ 60℃ or T ≥ 85℃	50%
	T > 85℃	T ≤ 80℃	100%
Charge Current	I ≤ 15%	I ≥ 20%	OFF
	20% < I ≤ 50%Max	I ≤ 15% or I ≥ 50%Max	50%
	I > 50%Max	I ≤ 40%Max	100%
Load% (Invert mode)	Load < 30%	Load ≥ 30%	OFF
	30% ≤ Load < 50%	Load ≤ 20% or Load ≥ 50%	50%
	Load ≥ 50%	Load ≤ 40%	100%

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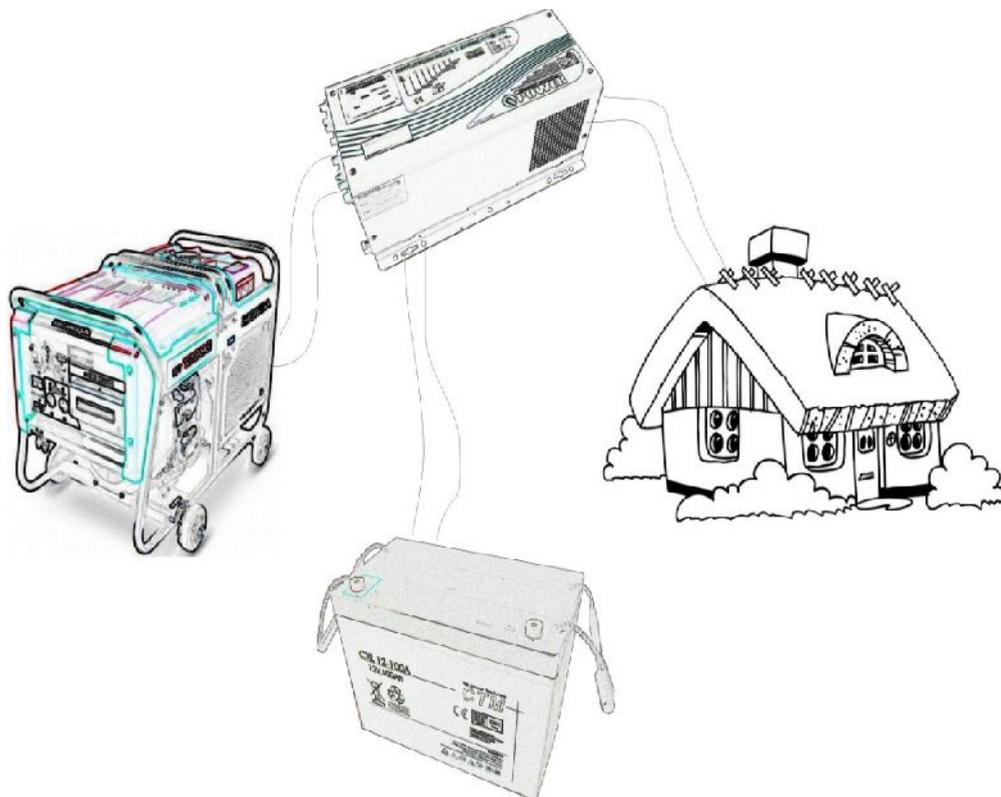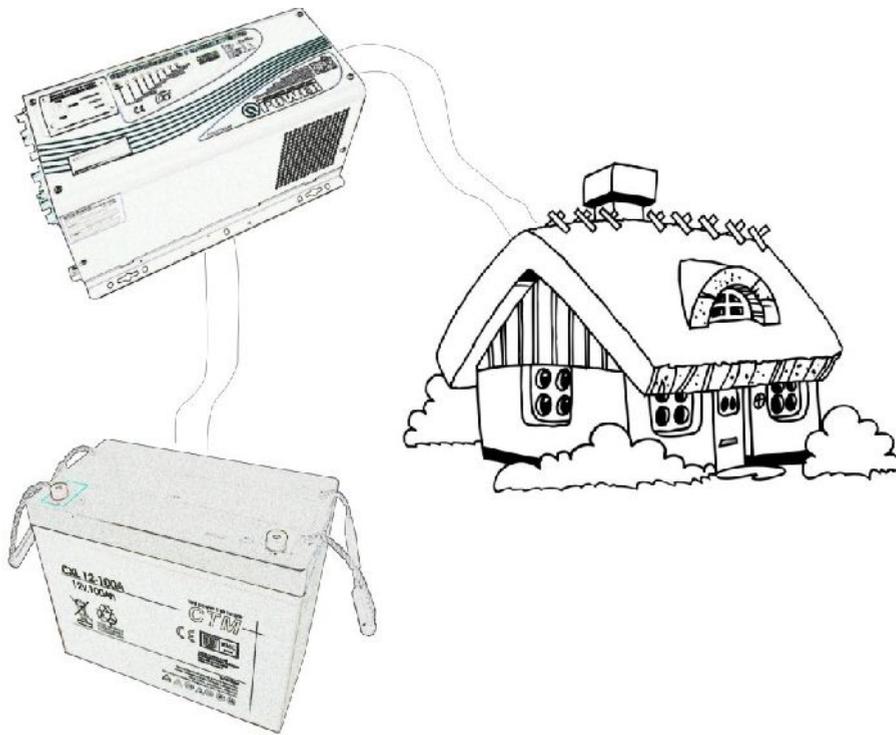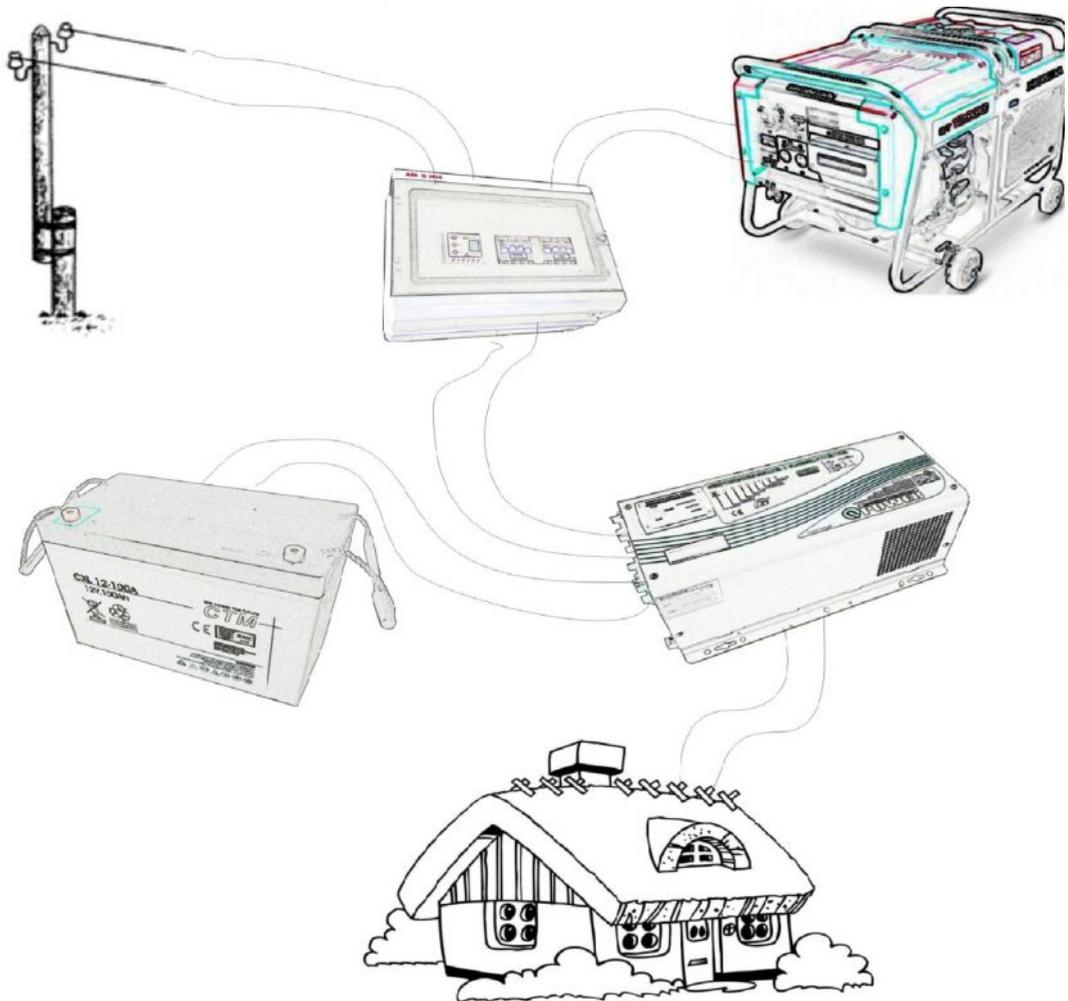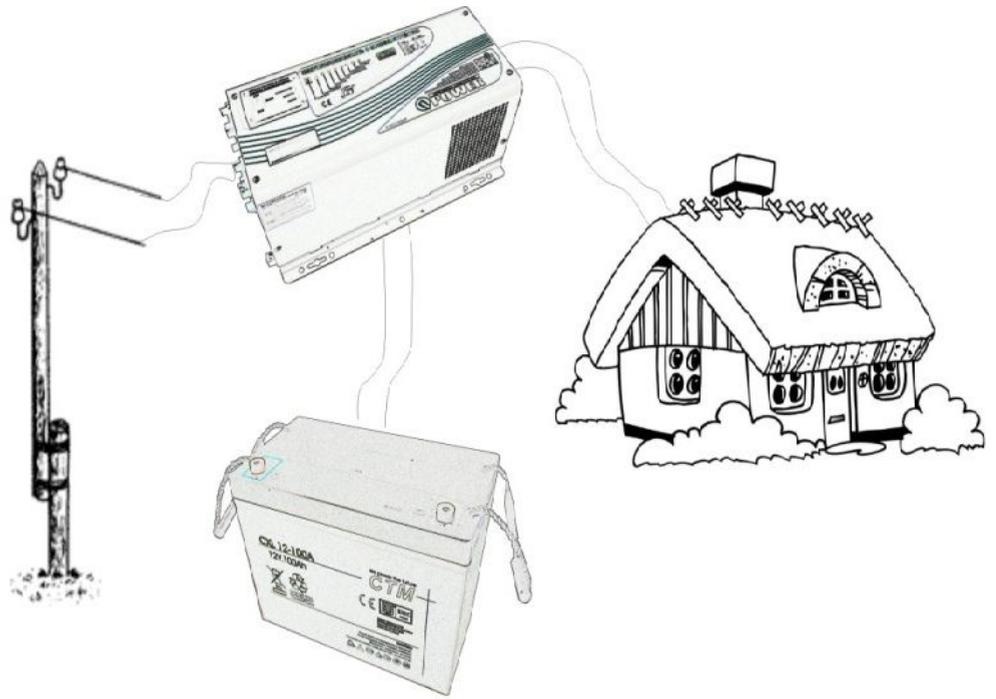
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                                                –   12 . (.2).

EACH BATTERY CAPACITY:

100 AMP-HOURS @ 12 VDC

12V 12V 12V 12V 12V INVERTER

TOTAL BATTERY BANK CAPACITY

400 AMP-HOURS @ 12 VDC

.2

                                "+"   "-"
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                                                                    ,
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                                                –   24 . (.3).

EACH BATTERY CAPACITY:

200 AMP-HOURS @ 6 VDC

6V 6V 6V 6V 24V INVERTER

TOTAL BATTERY BANK CAPACITY

200 AMP-HOURS @ 24VDC

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        .   ,

EACH BATTERY CAPACITY:

200 AMP-HOURS @ 6 VDC

6V 6V 6V 6V 12V INVERTER

TOTAL BATTERY BANK CAPACITY

400 AMP-HOURS @ 12 VDC

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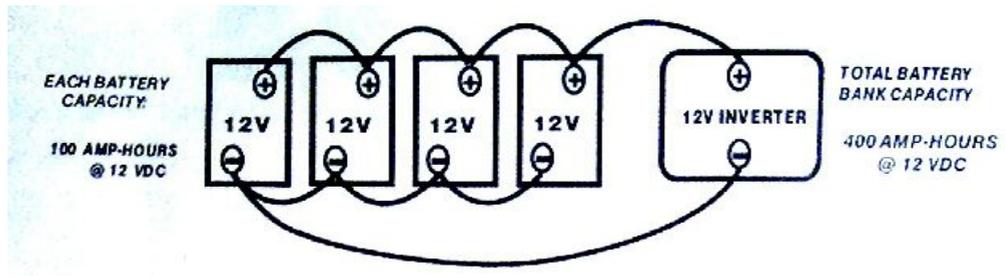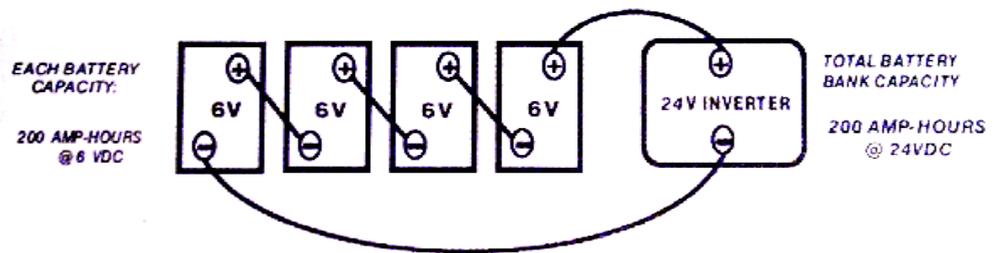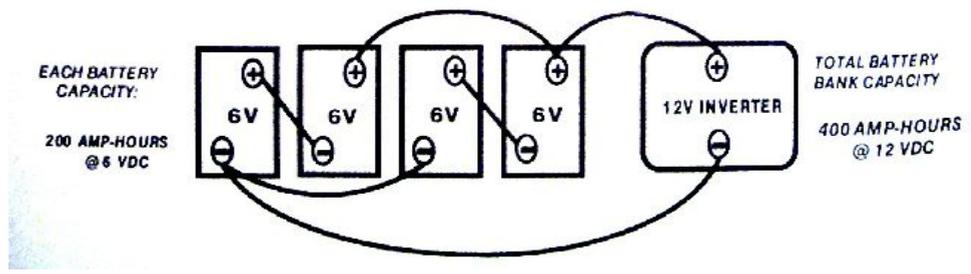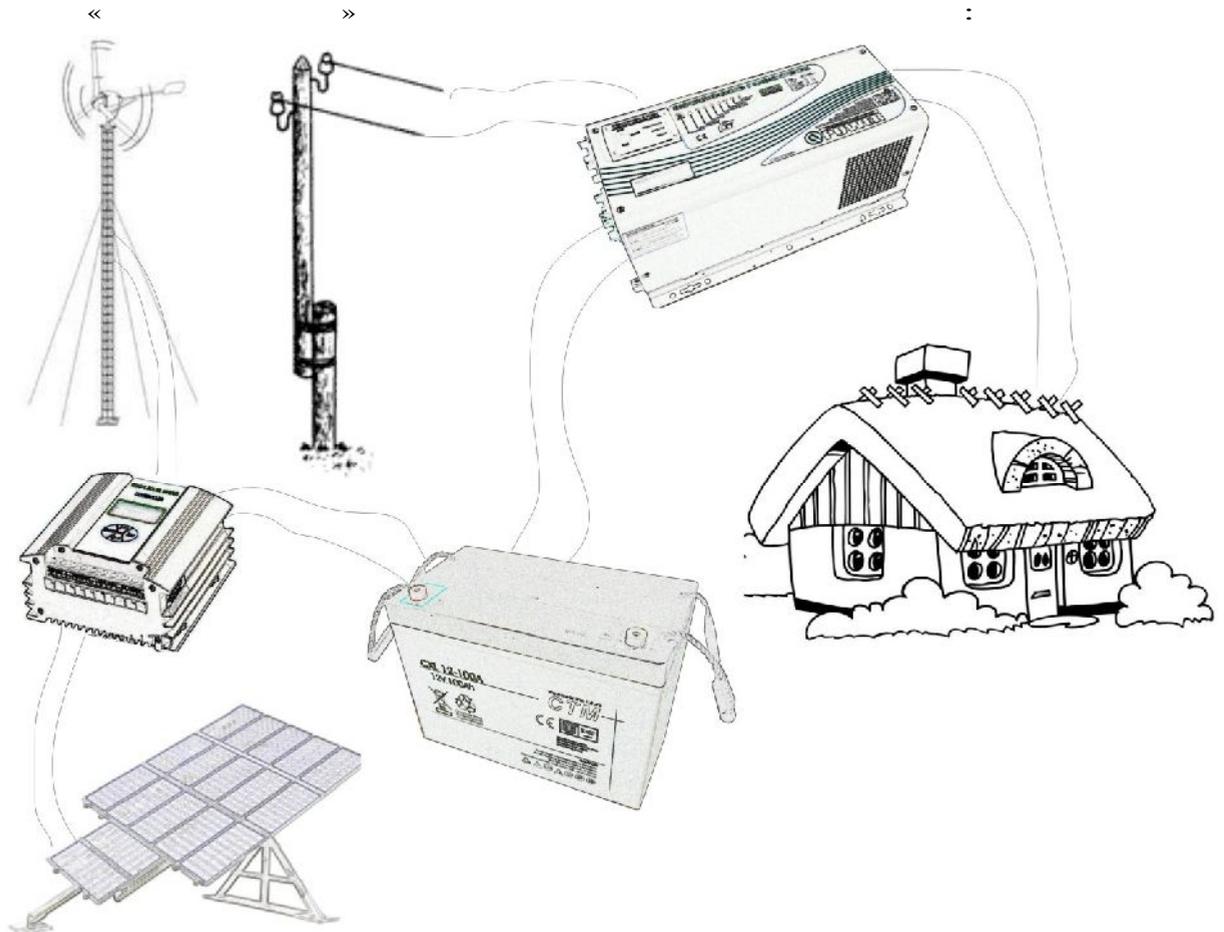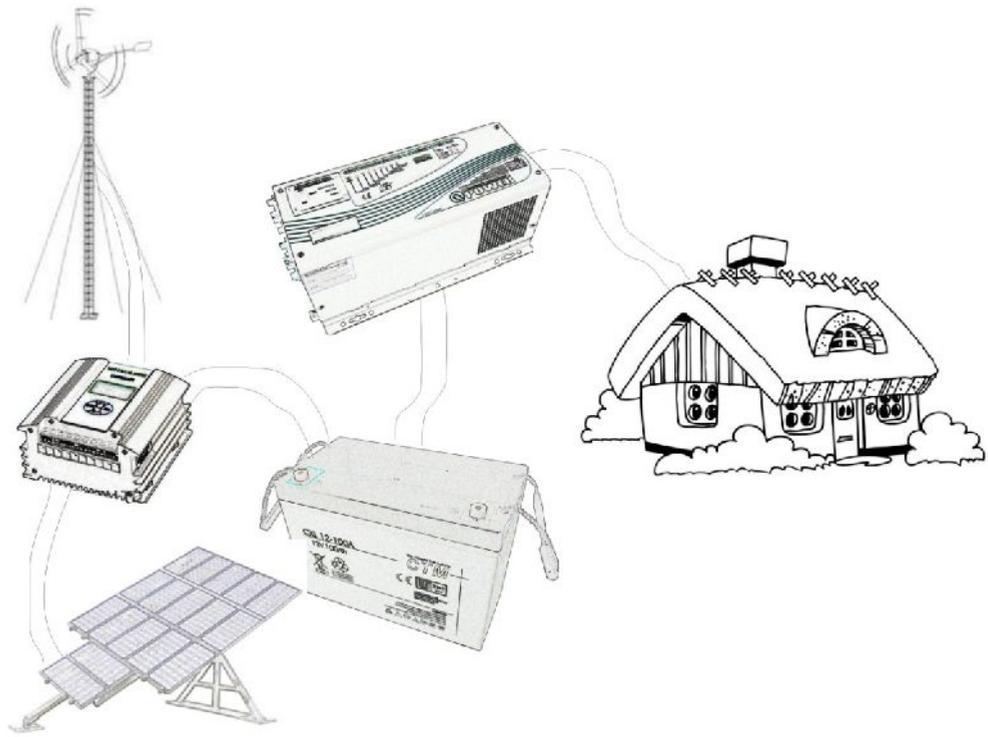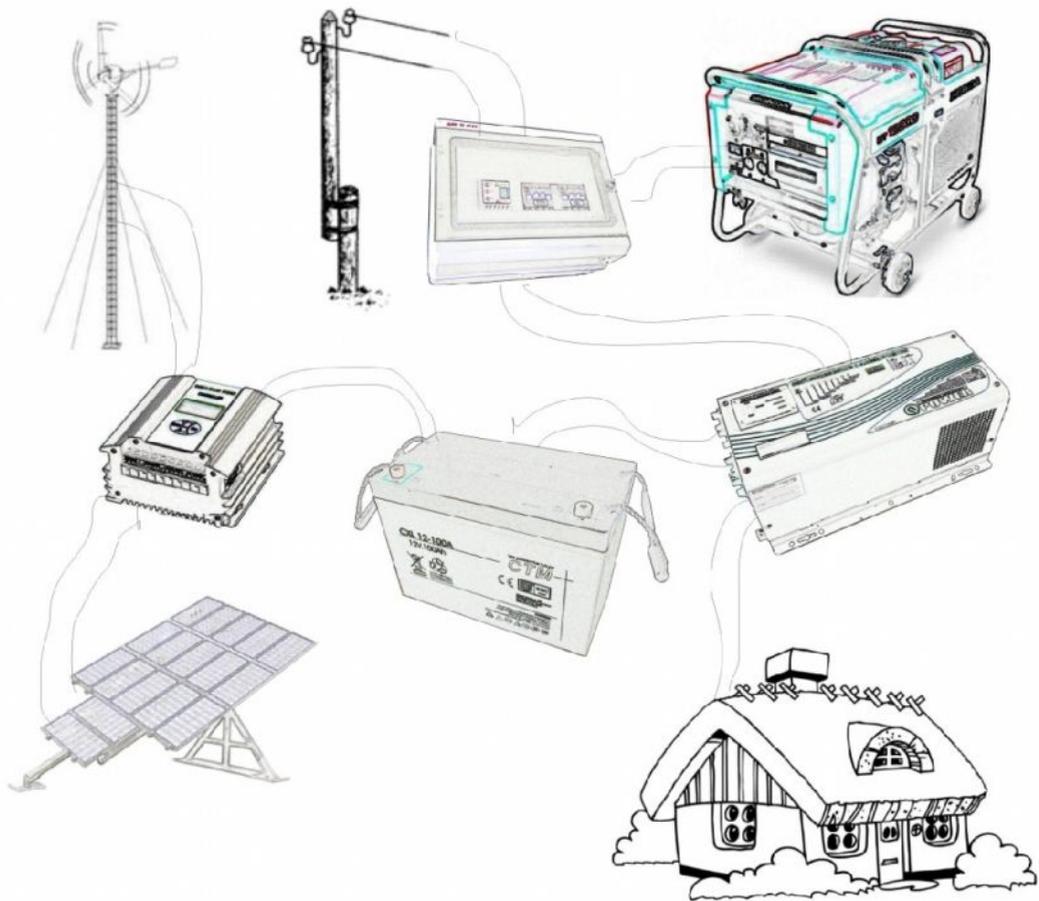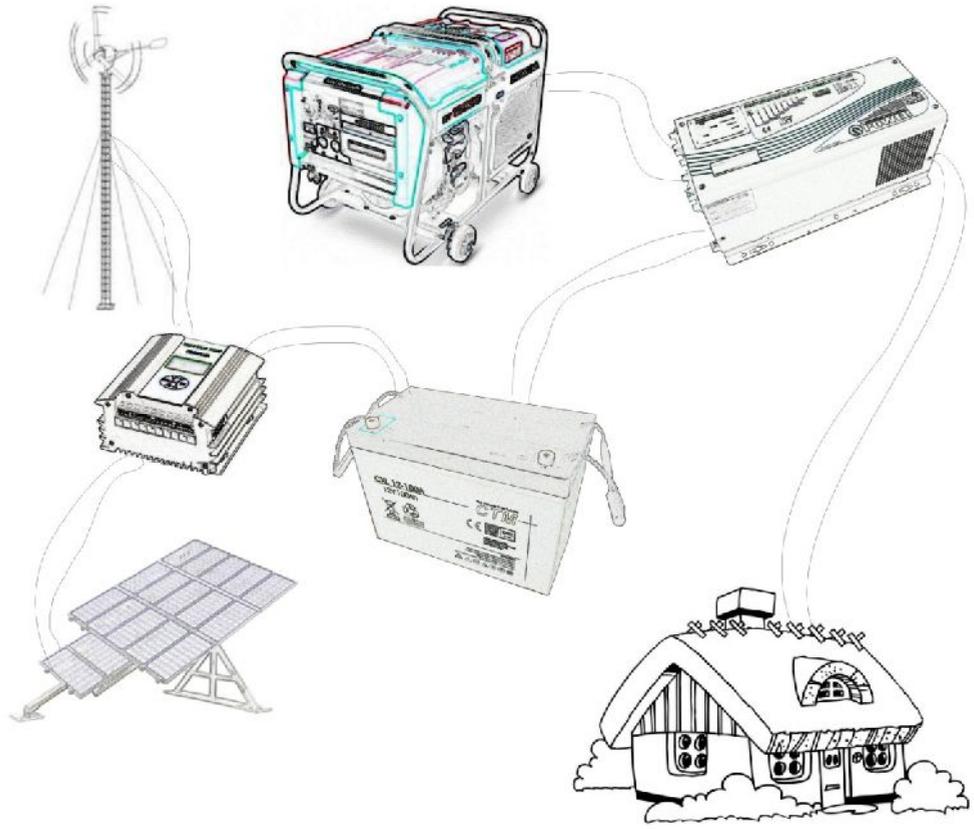
- , , ,
  .
- : 0℃ ...+40℃
- : -40℃...+70℃
- : 0% - 90%,
- : ( )

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1012E	12V	35
1024E	24V	25
1512E	12V	35
1524E	24V	25
2012E	12V	50
2024E	24V	35
2048E	48V	25
3012E	12V	75
3024E	24V	50
3048E	48V	25
4024E	24V	50
4048E	48V	25
5024E	24V	50
5048E	48V	35
6024E	24V	75
6048E	48V	50

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1,0-1,5
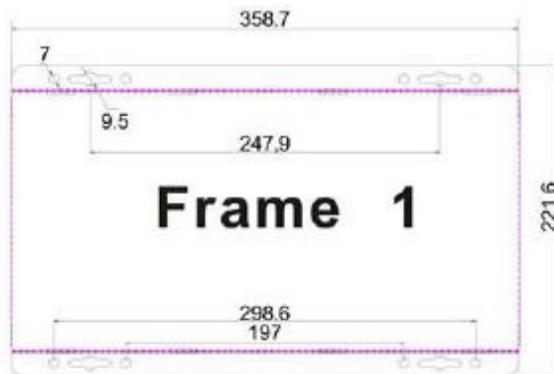
2,0-3,0
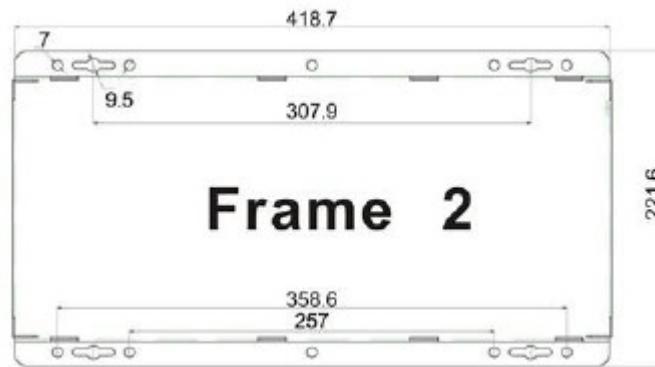
4,0-6,0
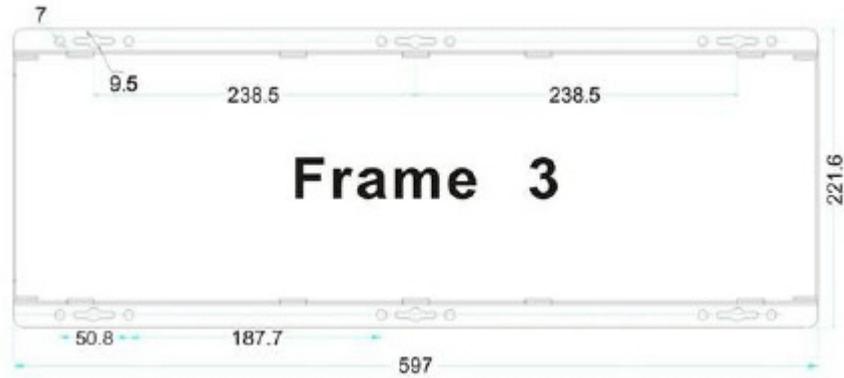
6. _____.

VIR-ELECTRIC APS.

Status	Item	Indicator on top cover							LED on Remote control			Buzzer
		SHORE POWER ON	INVERTER ON	FAST CHARGE	FLOAT CHARGE	OVER TEMP TRIP	OVER LOAD TRIP	POWER SAVER ON	BATTERY CHARGER	INVERTER	Alarm	
Line Mode	CC	√	×	√	×	×	×	×	√	×	×	×
	CV	√	×	√, blink	×	×	×	×	√	×	×	×
	Float	√	×	×	√	×	×	×	√	×	×	×
	Standby	√	×	×	×	×	×	×	×	×	×	×
Invert Mode	Inverter on	×	√	×	×	×	×	×	×	√	×	×
	Power saver	×	×	×	×	×	×	√	×	×	×	×
Alarm Mode	Battery Low	×	√	×	×	×	×	×	×	√	√	beep 0.5s every 5s
	Battery High	×	√	×	×	×	×	×	×	√	√	beep 0.5s every 1s
	Overload on invert mode	×	√	×	×	×	√	×	×	√	√	Refer to "Audible alarm"
	OverTemp on invert mode	×	√	×	×	√	×	×	×	√	√	Beep 0.5s every 1s
	OverTemp on line mode	√	×	√	×	√	×	×	√	×	√	beep 0.5s every 1s
	Over charge	√	×	√	×	×	×	×	√	×	√	beep 0.5s every 1s
Fault Mode	Fan lock	×	×	×	×	×	×	×	×	×	×	beep continuous
	Battery High	×	√	×	×	×	×	×	×	√	×	beep continuous
	Inverter mode overload	×	×	×	×	×	√	×	×	×	×	beep continuous
	OverTemp	×	×	×	×	√	×	×	×	×	×	beep continuous
	Over charge	×	×	√	×	×	×	×	√	×	×	beep continuous
	Back Feed Short	×	×	×	×	×	×	×	×	×	X	beep continuous

Remark: √ shows the indicator on. × shows the indicator off. √, blink shows the indicator blinking about 0.5s on and 0.5s off.

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