

Product Presentation

SPIRIT PROGRAMMING









SPIRIT Plus Series SPIRIT Series

SPIRIT



Mercury Program settings in SPIRIT PLUS Inverters

LCD Setting

After pressing and holding "Configuration" button for 1 second, the unit will enter setting mode and switch between different setting items. Press "Up/down" button to switch between different setting parameters. And then, press "ENTER" button to confirm the selection or ESC button to exit.





Program	Description		Selectable option
01	Output source priority: To configure load power source priority	Solar first	Solar energy provides power to the loads as first priority. If solar energy is not sufficient to powe all connected loads, battery energy will supply power the loads at the same time. Utility provides power to the loads only when any one condition happens: -Solar energy is not available -Battery voltage drops to low-level warning voltage or the setting point in program 05.
		Utility first (default)	Utility will provide power to the loads as first priority. Solar and battery energy will provide power to the loads only when utility power is not available.
	×	SBU priority	Solar energy provides power to the loads as first priority.
	1	0°1 <u>56U</u>	 If solar energy is not sufficient to power all connected loads, battery energy will supply power to the loads at the same time. Utility provides power to the loads only when battery voltage drops to either low-level warning voltage or the setting point In program 05.



Program	Description	Selectable option	
	1000 E85	Appliances (default)	If selected, acceptable AC input voltage range will be within 90-280VAC
02	AC input voltage range	UPS O2UPS	If selected, acceptable AC input voltage range will be within 170-280VAC
03 Battery type	AGM (default)	Flooded	
	Battery type	User-Defined	If "User-Defined" is selected, battery charge voltage and low DC cut-off voltage can be set up in program 9,10 and 11.



Program	Description	Selectable option	
04	Maximum utility charging current		$\frac{25A(\text{default})}{04258}$
	A DEPARTMENT OF A DEPARTMENT	Available options in 3KVA	A model:
	Percent and only from particular	22.1V	22.5V
	Setting voltage point back to utility source when selecting "SBU priority" or "Solar first" in program 01.	<u>, 1.55</u> 20	0°S <u>2.5.5</u> 2°O
		23.0V	23.4V
05		0 [°] <u>S</u> <u>2</u> <u>3</u> 0 [°]	0°S <u>2 3.4</u>
		23.8V	24.3V
		0°S <u>238</u> ,	0 [°] S <u>24.3</u> [™]
		24.7V	25.1V
		0 [°] S <u>24</u> 1	0°S 25. I
-	Setting voltage point	etting voltage point Available options In 3KVA model:	
06	back to battery mode	Battery fully charged	24.6V

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Program	Description		Selectable option	
05	Setting voltage point	Available options In 3KVA model:		
06	back to battery mode	Battery fully charged	24.6V	02
Allen Vice	when selecting "SBU priority" or "Solar first" in program 01.		0 [°] <u>24.6</u> [°]	
1.		25.0V	25.4V	
		0Å <u>25.0</u>	0 [°] 8 <u>25.4</u> [™]	
 in the second second	and the second s	25.8V	26.3V	
-		0 [°] <u>25.8</u> ^{••••}	0 [®] 26.3 ^v	
		26.7V	27.2V	
-		0 [°] 26.7 [™]	0 [°] <u>8</u> 27.5 [°]	
		27.6V	28.0V	
	1.121	0627.6	08 <u>28.0</u>	
		28.5V	28.9V	
1973-1		0 [°] 6 <u>28.5</u>	0 [°] 8. <u>85</u> [°] 80	



Program	Description	Selectable option If this hybrid inverter is working in Line, Standby or Fault mode, charger source can be programmed as below:	
	This set can a trans		
	8251	Solar first \circ	Solar energy will charge battery as first priority. Utility will charge battery only when solar energy is not available.
	Charger source priority:		Utility will charge battery as first priority. Solar energy will charge battery only when utility power is not available.
07 To configure charger source priority	Solar and Utility (default)	Solar energy and utility will charge battery at the same time.	
	Er53	Only Solar	Solar energy will be the only charger source no matter utility is available or not.
		If this hybrid inverter is working in Battery mode only solar energy can charge battery. Solar energy will charge battery if it's available and sufficient.	
	1	Alarm on (default)	Alarm off
08	Alarm control	08 <u>600</u>	08 <u>60F</u>
09	Bulk charging voltage	3KVA setting: 28.2V	and the state of the
gruph.	(C.V voltage)	<u>7.85</u> 80 vJ	
200	es primas conjunts of an econ divergences primas	If self-defined is selected in program 3, this program can be s Setting range is from 25.0V to 32.0V for 3KVA model. Increme each dick is about 0.1V.	



Program Description		Selectable option	
10	Floating charging voltage	3KVA setting: 27.0V FLUIO27.0v	
		If self-defined is selected in program 3, this program can be set up Setting range is from 25.0V to 32.0V for 3KVA. Increment of each dick is about 0.1V.	
11	.1 Low DC cut-off voltage	3KVA default setting: 20.0V	
11		If self-defined is selected in program 3, this program can be set up. Setting range is from 20.0V to 24.0V for 3KVA model. Increment of each dick is about 0.1V. Low DC cut-off voltage will be fixed to setting value no matter what percentage of load is connected.	
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Program	Description	Selectable option	
12	Output frequency	50Hz(default) OUTPUT ISO SO Hz	60Hz Ø очтрит 12 60 ^{Hz}
13	Maximum charging current: To configure total charging current for solar and utility chargers.(Max. charging current = utility charging current + solar charging current	40A (default) INPUTBATT. AC OYO A IS	Setting range is from 10A to 120A. Increment of each click is 10A.
	Output mode when in stand- by mode(Switch off)		
14		When set on , the inverter will has AC output in stand-by mode(switch utility is available.When set off , the inverter will has no output in stand-by mode(switch even if utility is available.	

