User Input	VBIAS	1,21	V
Fixed			

	Comparator threshold for VSTOR of charger. Typically the max storage element voltage, e.g. 4.2V for LiIon battery.					Comparator threshold voltages indicating when VSTOR has risen above VBAT_OK_HYST or fallen below VBAT_OK.					For the bq25570 only, comparator threshold for VOUT of buck converter.					Maximum power point threshold, e.g. ~0.7-0.8 of solar panel's open circuit voltage.				
	VBAT_UV ≤ VBAT_OV ≤ 5.5V					VBAT_OV ≥ VBAT_OK_HYST ≥ VBAT_UV					1.3V ≤ VOUT ≤ VBAT_OV					MPPT				
Desired						RSUM[1]	12	MΩ								RSUM[1]	20	MΩ		
Desired	RSUM[1]	10	MΩ			VBAT_OK	3,3	V	> VBAT_UV		RSUM[1]	13	MΩ			VIN_DC(OC)	6	V	Open Circuit Volts	
Desired	VBAT_OV	5	V			VBAT_OK_HYST	3,5	V	> VBAT_OK		VOUT	3,3	V			VREF_SAMP	4	V	MPP voltage	
								closest 1% resistor[1]										closest 1% resistor[1]		
			closest 1% resistor[1]				Exact	<	>				closest 1% resistor[1]				Exact	<	>	
Computed		Exact	<	>		ROK1	4,149	4,120	4,220	MΩ		Exact	<	>		ROC1	3,333	3,320	3,400	MΩ
Computed	ROV1	3,630	3,570	3,650	MΩ	ROK2	7,166	7,150	7,320	MΩ	ROUT1	4,767	4,750	4,870	MΩ	+10MEG[2]	10,000	10,000	10,000	MΩ
Computed	ROV2	6,370	6,340	6,490	MΩ	ROK3	0,686	0,681	0,698	MΩ	+10MEG[2]	0,000	0,000	0,000	MΩ	ROC2	6,667	6,650	6,810	MΩ
Computed	VBAT_OV	→	5,038	5,042	V	VBAT_OK	→	3,310	3,309	V	ROUT2	8,233	8,060	8,250	MΩ	+10MEG[2]	0,000	0,000	0,000	MΩ
Computed						VBAT_OK_HYST	→	3,510	3,509	V	VOUT	→	3,263	3,260	V	VREF SAMP	→	4,002	3,978	V
Selected	ROV1	3,6	MΩ			ROK1	4,22	MΩ			ROUT1	4,75	MΩ			ROC1	3,3	MΩ		
Selected	ROV2	6,3	MΩ			ROK2	7,32	MΩ			'+10MEG[2]	0,00	MΩ			+10MEG[2]	10,000	MΩ		
Selected						ROK3	0,681	MΩ			ROUT2	8,25	MΩ			ROC2	6,6	MΩ		
		↓					↓					↓				+10MEG[2]	0,000	MΩ		
																	↓			
Typ voltage[3]	**VBAT_OV(typ)**	**4,991**	V	**-0,18**	**% diff**	**VBAT_OK (typ)**	**3,309**	**V**	**0,27**	**% diff**	**VOUT(typ)**	**3,312**	**0,35**	**% diff**		**VREF_SAMP**	**4,010**	V	**0,25**	**% diff**
Typ voltage[3]						**VBAT_OK_HYST (typ)**	**3,504**	**V**	**0,12**	**% diff**										

[1]If the available 1% resistors for the recommend resistor total (RSUM) produce too high of % difference, try using the closest 1% > and < resistor cross combo OR increasing or decreasing RSUM in order to find a closer 1% resistor match OR adding 1 or more additional resistors and use two resistors in series that sum to the recommended value.

[2]Granularity of resistors values > 10 Mohm is greatly reduced so you may need to use a 10 Mohm resistor in series with a smaller resistor in order to achieve the desired resistance value.

[3]Total dc regulation accuracy is a function of VBIAS tolerance, resistor tolerance, line regulation, load regulation and output voltage ripple (i.e., output capacitance).