Fixed					
	Comparator threshold for VSTOR maximum.				
	Typically the max storage element voltage,				
	e.g. 4.2V for Lilon battery				
	$2.5V \le VBAT_OV \le 5.25V$				
Desired					
Desired	RSUM ¹	10	Mohm		
Desired	VBAT_OV	3	V		
			closest 1% resistor ¹		
Computed		Exact	<	>	
Computed	ROV1	6.250	6.190	6.340	Mohm
Computed	ROV2	3.750	3.740	3.830	Mohm
Computed	VBAT_OV	\longrightarrow	3.008	3.008	V
Computed					
Selected	ROV1	6.19	Mohm		
Selected	ROV2	3.74	Mohm		
Selected					
		\downarrow			
Typ voltage	VBAT_OV(typ)	3.008	V	0.26	% diff
Typ voltage					

Comparator threshold voltages indicating when						
VSTOR has risen above VBAT_OK_HYS or fallen below VBAT_OK						
$VBAT_OV \ge VBAT_OK_HYST \ge VBAT_UV$						
RSUM ¹	10	Mohm				
VBAT_OK	2.3	V > VBAT_UV		/		
VBAT_OK_HYST	2.5	V > VBAT_OI		<		
		closest 1% resistor ¹				
	Exact	<	>			
ROK1	5.000	4.990	5.110	Mohm		
ROK2	4.200	4.120	4.220	Mohm		
ROK3	0.800	0.787	0.806	Mohm		
VBAT_OK	\longrightarrow	2.282	2.282	V		
VBAT_OK_HYST	\longrightarrow	2.479	2.479	V		
ROK1	5.11	Mohm				
ROK2	4.22	Mohm				
ROK3	0.806	Mohm				
	\downarrow					
VBAT_OK (typ)	2.282			% diff		
VBAT_OK_HYST (typ)	2.479	V	-0.83	% diff		

Comparator threshold for VSTOR minimum.						
Typically the min storage element voltage,						
e.g. 2.5V for Lilor	n battery	i				
$2.2V \le VBAT_UV \le VBAT_OV$						
RSUM ¹	10	Mohm				
VBAT_UV	2.2	V				
		closest 1%	% resistor ¹			
	Exact	<	>			
RUV1	5.682	5.620	5.760	Mohm		
RUV2	4.318	4.220	4.320	Mohm		
VBAT_UV	\longrightarrow	2.189	2.188	V		
D1 11 /4	F 60	2.4				
RUV1		Mohm				
RUV2	4.22	Mohm				
	V					
VBAT_UV(typ)	2.189	V	-0.52	% diff		

Maximum power point threshold, e.g. ~0.7-0.8 of solar panel's open circuit voltage						
MPPT						
RSUM ¹	20	Mohm				
VIN_DC(OC)	2.07	V	Open Circuit Volts			
VREF_SAMP	1.67	V	MPP voltage			
		closest 1% resistor ¹				
	Exact	<	>			
ROC1	6.135	6.040	6.190	Mohm		
+10MEG ²	10.000	10.000	10.000	Mohm		
ROC2	3.865	3.830	3.920	Mohm		
+10MEG ²	0.000	0.000	0.000	Mohm		
VREF SAMP	\longrightarrow	1.671	1.666	V		
ROC1	6.04	Mohm				
+10MEG ²	10.000	Mohm				
ROC2	3.83	Mohm				
+10MEG ²	0.000	Mohm				
	<u> </u>					
VREF_SAMP	1.671	V	0.06	% diff		

¹If 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 10Mohm in series with a smaller resistor in order to achieve the desired resistance value.

