

Bill Of Materials for pcpower_acs

1 Resistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Description</u>
1	R1	680	RES 680 OHM 1/10W 5% SMD1206

Sub-totals:

4 Integrated Circuits

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Description</u>
3	U1-U3	ACS712ELCTR-30A-T	Fully Integrated, Hall Effect-Based Linear Current Sensor 30A
1	U5	ACS70331	Fully Integrated, Hall Effect-Based Linear Current Sensor 2,5A

Sub-totals:

1 Transistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Description</u>
1	Q1	IRL2505	55V, 104A @ 25°C, 200W, Single N-Channel HEXFET Power MOSFET in a TO-220AB package

Sub-totals:

14 Miscellaneous

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Description</u>
8	J1-J8	Banana Connector, 4mm, Jack, Panel Mount, 30A BLUE	Single pin terminal
1	LCD1	LM044L	20x4 Alphanumeric LCD
4	RV3,RV6, RV8-RV9	10k	High Granularity Interactive Potentiometer (Lin, Log or Antilog Law)
1	SIM1	ARDUINO NANO	Arduino Nano

Sub-totals:

Totals:

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