

ARRAY ELECTRONIC CO. LTD.

Programmable DC Power Supplies

Model 3644A, Model 3645A, Model 3646A

- High Resolution at 1mV
- Up to 10 Parameter Settings
- Power Management Software
- Voltage and Current Protection
- Programmable Output Voltage and Power
- Over Voltage, Current, Power and Temperature Protection



Exchange
Adjusted
Pricing

Model	3644A (\$395.00)	3645A (\$295.00)	3646A (\$395.00)
Number of outputs	1	1	1
DC outputs (Voltage)	0 - 18V	0 - 36V	0 - 72V
Current	5A	3A	1.5A
Power(max)	90W	108W	108W
Line regulation (Voltage)	0-3.999V: 0.01%+3mV 4-18V: 0.02%+10mV	0-3.999V: 0.01%+3mV 4-36V: 0.02%+10mV	0-3.999V: 0.01%+3mV 4-72V: 0.02%+10mV
Line regulation (Current)	0.02%+8mA	0.02%+8mA	0.02%+8mA
Load regulation (Voltage)	0.02%+20mV	0.02%+10mV	0.02%+10mV
Load regulation (Current)	0.02%+15mA	0.02%+10mA	0.02%+8mA
Ripple and noise (Voltage)	<1mV rms	<1mV rms	<1mV rms
Ripple and noise (Current)	<5mA rms	<4mA rms	<3mA rms
Programming accuracy	at 25°C ±5%		
Voltage	0.1%+20mV	0.1%+20mV	0.1%+20mV
Current	0.2%+20mA	0.2%+20mA	0.2%+20mA
Accuracy (Voltage)	0.2%+20mV	0-19.99V:0.2%+20mV 20-36V:0.2%+100mV	0-19.99V:0.2%+20mV 20-72V:0.2%+100mV
Current	0.2%+20mA	0.2%+20mA	0.2%+20mA
Program resolution			
Voltage	0-3.999V:1mV 4-18V:10mV	0-3.999V:1mV 4-36V:10mV	0-3.999V:1mV 4-72V:10mV
Current	1mA	1mA	1mA
Readback resolution			
Voltage	10mV	0-19.99V:10mV 20-36V:100mV	0-19.99V:10mV 20-72V:100mV
Current	10mA	10mA	10mA
Interface: RS232/RS485/USB			
AC Input: 110V/220V AC +/-15%, 47-63Hz			
Operating environment: 0-50°C, 80% RH			
Weight: 6.00kg			
Dimensions: 212.6mm W x 88.1mm H x 250mm D			
Software: PowerMS, ActiveX and DLL tools Support VB,VC++,DELPHI,LABVIEW			

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