



ARRAY ELECTRONIC CO.,LTD

3645A PROGRAMMABLE DC POWER SUPPLY



Number keypad

Protection for over or lower current

High resolution at 1mv

Can be set by number key or rotary code switch

Monitored by PC software

LCD display with back light

Can set the maximum voltage and the constant voltage output

Protection for over or lower voltage

Power shut-down memory function

Can set the maximum protection current and the constant current output

Easy operation with high speed rotary encode switch



Numerical data entry



LCD display



Free PC control and supervision software





Main functions

- ▶ Set up the constant voltage (CV)
- ▶ Set up the protection current
- ▶ ON/OFF controlling the voltage output
- ▶ Store 10 sets of the set data

Sub-functions

- ▶ Set up the maximum output voltage
- ▶ Set up the maximum output power
- ▶ Set up the communication
- ▶ Set up the password

Specification

Type	3645A
Output	1
Output voltage	0~36V
Constant current	0~3A
Voltage resolution	1mV at 0~3.999V 10mV at 4~36V
Current resolution	<=1mA
Line regulation for voltage	0~3.999V 0.01%+3mV 4~36V 0.02%+10mV
Line regulation for current	0.02%+10mA
Load regulation for voltage	0.02%+20mV
Load regulation for current	0.02%+10mA
Ripple	Vrms <=2mVrms
Set up reaction time	UP (50/90%) 10ms Down (90/50%) 30ms
Communication cable	RS232/RS485 *
ActiveX	Free software VC++ / VB / DELPHI / LABVIEW /COM Cable
Memory	10 points EEPROM
Protective mode	Over voltage / over current / over power
Mains voltage	AC 110/220 available (60/50HZ)
Operating environment	0~50℃ 80%RH
weight , size	6.0Kg L x H x D 250mm x 212mm x 88mm
Accessories	Software , users manual , AC power cable , handlebars
Optional purchasable accessories	Communication cable for RS232 communication cable for RS485 mounting rack

Dimension of 3645A programmable DC power supply (Unit : mm)

