

## 3644A 3645A 3646A PROGRAMMABLE DC POWER SUPPLY



Mode		3644A	3645A	3646A
Number		1	1	1
DC Output	Voltage	0~18V	0~36V	0~72V
	Current	0~5A	0~3A	0~1.5A
	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
	Current	0.02% +8mA	0.02% +8mA	0.02% +8mA
Load Regulation	Voltage	0.02% +20mV	0.02% +10mV	0.02% +10mV
	Current	0.02% +15mA	0.02% +10mA	0.02% +8mA
Ripple and noise	Voltage	< 1mVrms	< 1mVrms	< 1mVrms
	Current	< 5mA <sub>rms</sub>	< 4mA <sub>rms</sub>	< 3mA <sub>rms</sub>
Programming accuracy at 25°C±1.5°C	Voltage	0.1% +20mV	0.1% +20mV	0.1% +20mV
	Current	0.2% +20mA	0.2% +20mA	0.2% +20mA
Readback accuracy at 25°C±1.5°C	Voltage	0.2% +20mV	0~19.999V: 0.2% +20mV 20~36V: 0.2% +100mV	0~19.999V: 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	0~19.999V: 10mV 20~36V: 100mV	0~19.999V: 10mV 20~72V: 100mV
	Current	10mA	10mA	10mA
Protection	Over voltage/Over current/Over power			
AC Input	110/220V AC switch able (60/50HZ)			
Operation environment	0~50°C, 80% RH*			
Weight	6.00kg			
Dimensions	212.6mm W x 88.1mm H x 250mm D			
Software	Free application software PowerMS, ActiveX control and DLL tool support VB / VC++ / DELPHI / LABVIEW			
Optional Parts	3311 isolated TTL to RS232 adaptor 3312 isolated TTL to USB adaptor 3313 isolated RS232 to RS485 adaptor 3314 isolated TTL to RS485 adaptor Mounting rack			

\* 0 to 35 °C for full rated output. At higher temperatures, the output current is derated 3% per °C