



Boost Converter

DC-1224 Series



DC1224-10A
DC1224-15A
DC1224-20A



DC1224-35A



DC1224-50A



Features

- Microcontroller Integrated
- High Efficient Conversion
- LED Indicators for Converter States
- USB 2.1A Port for 35A+ Models
- Input & Output Fully Isolation
- Intelligent Temp & Load Cooling Fan
- Aluminum Housing
- Multiple Safety Protections: Input Polarity Reverse / Output Polarity Reverse / Short Circuit / Overheat / Overload
- 100% Made in Taiwan
- Widely Used in Automotive, Surveillance Systems, Telecommunications, Railway Signals, Medical Equipment, Instruments and Meters.

Model	DC1224-10A	DC1224-15A	DC1224-20A	DC1224-35A	DC1224-50A	
System						
Continuous Power	10A	15A	20A	35A	50A	
Max Power	15A	20A	25A	38A	55A	
Output Voltage	24~27.4V					
Output USB Port	-	-	-	5VDC, 2.1A		
Standby Current (Normal)	< 0.08A					
Input Voltage	10~15V					
Efficiency	> 80%					
Protection						
Input Type Auto-Detection	YES					
Input Low Voltage Protection	< 10.5V Pre-Alarm, < 9.5V Shutdown & Alarm					
Input Polarity Reverse Protection	By Diode			Fuse		
Output Polarity Reverse Protection	By Circuit			Fuse		
Output Short Circuit Protection	YES					
Output Overheat Protection	> 55°C Pre-Alarm, > 60°C Shutdown & Alarm					
Output Overload Protection	Pre-Alarm	> 10A	> 15A	> 20A	> 35A	> 50A
	Auto-off & Alarm	> 12A	> 17A	> 22A	> 38A	> 55A
Cooling	Intelligent Fan					
Mechanical						
Fuse	30A x 1PCS + 15A x 1PCS	35A x 1PCS + 20A x 1PCS	30A x 2PCS + 25A x 1PCS	35A x 3PCS + 20A x 2PCS	35A x 4PCS + 20A x 3PCS	
Dimension (L x W x H)	180 x 73 x 73 mm		190 x 73 x 73 mm	275 x 111 x 70 mm	295 x 135 x 79 mm	
Net Weight	0.9 kg		0.95 kg	1.2 kg	1.92 kg	