



## USB TYPE-C P.D. 45/65 Watt Series

Desktop Type

### Green Mode

CEC, DoE Level VI, Energy Star, ErP Stage 2, NRCAN & GEMS Level VI  
No Load Power Consumption Less Than 0.1W

### Features :

- IEC/UL 62368-1 & 60950-1
- 100-240VAC Universal Input
- Power Delivery 2.0
- System Control through CC1
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Modified and Custom Design Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
USB-C45-1MULTI	5.0V	3.00A	15W
	9.0V	3.00A	27W
	12.0V	3.00A	36W
	15.0V	3.00A	45W
	20.0V	2.25A	45W
USB-C65-1MULTI	5.0V	3.00A	15W
	9.0V	3.00A	27W
	12.0V	3.00A	36W
	15.0V	3.00A	45W
	19.0V	3.43A	65W
	20.0V	3.25A	65W

### Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	45W:1.2A Max./ 65W:1.4A Max.
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C8



### Output

Load Regulation	±5% ( Typical )
Ripple	2% Vp-p Max. for Output Voltage@ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS @ Full Load
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection
DC Cord	UL2095
Ferrite Core	Yes

### Safety Approvals

USB-C45-1MULTI:  
CB / UL / cUL / FCC / GS / CE / PSE / BSMI / CCC / RCM / LPS  
USB-C65-1MULTI:  
CB / UL / cUL / FCC / GS / CE / PSE / BSMI / LPS

### Electrical

Topology	Switching Flyback
Dielectric Withstand	3000VAC Primary - Secondary
Leakage Current	0.25mA
Efficiency	DoE Level VI, Energy Star, ErP Stage 2, NRCAN & GEMS Level VI Certified
EMC Standards	EN55032 Class B
	EN61000-3-2,3
	EN55024
MTBF	300,000 Calculated Hours at 25°C, by Telcordia SR-332

### Environmental

Operating Temperature	0 to + 40°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

### Mechanical

Case Dimension	USB-C45-1MULTI: L 99 × W 33 × H 50 (mm)
	USB-C65-1MULTI: L 119 × W 60 × H 36 (mm)
Weight	USB-C45-1MULTI:190 g ( Ref. )
	USB-C65-1MULTI:285 g ( Ref. )

